

# **EXHIBIT L**

Daniel Steven Elliott, M.D.

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| <p>1 SUPERIOR COURT OF NEW JERSEY</p> <p>2 LAW DIVISION</p> <p>3 ATLANTIC COUNTY</p> <p>4 CASE NO. 291 CT</p> <p>5 MASTER CASE NO. L-6341-10</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> | <p>1 APPEARANCES:</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> |
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| <p style="text-align: right;">Page 5</p> <p>1 DEPOSITION SUPPORT INDEX</p> <p>2 - - -</p> <p>3 Directions to Witness Not to Answer</p> <p>4 Page Line</p> <p>5</p> <p>6</p> <p>7 - - -</p> <p>8 Request for Production of Documents</p> <p>9 Page Line</p> <p>10</p> <p>11</p> <p>12</p> <p>13 - - -</p> <p>14 Stipulations</p> <p>15 Page Line</p> <p>16</p> <p>17</p> <p>18</p> <p>19 - - -</p> <p>20 Question Marked</p> <p>21 Page Line</p> <p>22</p> <p>23</p> <p>24 - - -</p> <p>25</p> | <p style="text-align: right;">Page 6</p> <p>1 Reserved for Confidential Designation Index as</p> <p>2 Pursuant to the Protective Order</p> <p>3</p> <p>4 Defendants did not have any Confidential Designations.</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>   |
| <p style="text-align: right;">Page 7</p> <p>1 Reserved for Confidential Designation Index as</p> <p>2 Pursuant to the Protective Order</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>   | <p style="text-align: right;">Page 8</p> <p>1 (Exhibit Elliott-1 was marked</p> <p>2 for identification.)</p> <p>3 DANIEL STEVEN ELLIOTT, M.D.,</p> <p>4 having been duly sworn, was examined and</p> <p>5 testified as follows:</p> <p>6 EXAMINATION</p> <p>7 BY MR. SNELL:</p> <p>8 Q. Good morning, Doctor.</p> <p>9 A. Good morning.</p> <p>10 Q. My name is Burt Snell, and I'm</p> <p>11 here to take your deposition in the</p> <p>12 litigation involving Ethicon surgical meshes</p> <p>13 for prolapse and urinary incontinence.</p> <p>14 Have you ever given a</p> <p>15 deposition before?</p> <p>16 A. Yes.</p> <p>17 Q. On how many occasions?</p> <p>18 A. A rough estimate would be about</p> <p>19 15.</p> <p>20 Q. So I'll give you a quick,</p> <p>21 abbreviated instructions list. You know all</p> <p>22 these things.</p> <p>23 You're here under oath, just</p> <p>24 like if you were at trial; correct?</p> <p>25 A. Correct.</p> |

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| <p style="text-align: right;">Page 9</p> <p>1 Q. You need to answer all my<br/>2 questions verbally. Shaking or nodding of<br/>3 the head does not translate into the record.<br/>4 Try to avoid saying unh-unh or uh-huh<br/>5 because those do get jumbled.<br/>6 If you can wait for my question<br/>7 to end before you answer and I'll do my best<br/>8 not to speak over you before you're finished<br/>9 answering, that way we get a clean record.<br/>10 Sometimes you'll probably know where I'm<br/>11 going and you'll be ready to answer but just<br/>12 let me finish my question so we can get a<br/>13 clear transcript.<br/>14 Is that okay?<br/>15 A. Sure.<br/>16 Q. If you don't understand one of my<br/>17 questions, please feel free to tell me, ask<br/>18 me to rephrase it or repeat it. I don't<br/>19 profess to be a physician, I'm not a doctor,<br/>20 so sometimes I might mix up terminology.<br/>21 It's okay to correct me or tell me, you<br/>22 know, that you'd like me to rephrase it or<br/>23 if you can answer it as best you can if you<br/>24 think you understand it, just feel free to<br/>25 do so.</p> | <p style="text-align: right;">Page 10</p> <p>1 Do you have any questions<br/>2 before we begin?<br/>3 A. No.<br/>4 Q. When was the first time you gave<br/>5 a deposition?<br/>6 A. I won't be able to tell you an<br/>7 exact date. It probably would have been --<br/>8 because I've been on staff at Mayo since<br/>9 2000. It would have been a year or two<br/>10 after that, probably. That's a very rough<br/>11 estimate.<br/>12 Q. Your best approximation is<br/>13 somewhere around 2002?<br/>14 A. That's a fair estimate.<br/>15 Q. Have you ever given testimony at<br/>16 trial?<br/>17 A. Yes.<br/>18 Q. On how many occasions?<br/>19 A. Once.<br/>20 Q. Where was that trial at?<br/>21 A. Tacoma, Washington. The district<br/>22 courthouse there, I believe.<br/>23 Q. What type of case was it?<br/>24 A. Patent infringement.<br/>25 Q. Besides today, when was the last</p>         |
| <p style="text-align: right;">Page 11</p> <p>1 time you gave a deposition?<br/>2 A. I believe June, maybe May, of<br/>3 this year, 2012.<br/>4 Q. Have you ever testified in a case<br/>5 as an expert witness?<br/>6 A. Yes.<br/>7 Q. On how many occasions?<br/>8 A. Once.<br/>9 Q. The 15 depositions that you have<br/>10 given, was one of those your testimony as an<br/>11 expert witness?<br/>12 A. No. Oh, wait. Excuse me. Yes,<br/>13 that would have probably been included in<br/>14 there because I'm giving you a rough<br/>15 estimate. So, yes, that would have included<br/>16 that.<br/>17 Q. What were the other approximate<br/>18 14 cases about that you gave deposition<br/>19 testimony in?<br/>20 A. They were patients that I took<br/>21 care of at Mayo that were being -- the<br/>22 outside physician was being sued. So it was<br/>23 pertaining to my medical care at Mayo, from<br/>24 the first day that I saw them to the last<br/>25 day that I saw them.</p>  | <p style="text-align: right;">Page 12</p> <p>1 Q. So these depositions involved<br/>2 your role as a treating physician for the<br/>3 patient?<br/>4 A. Correct. Yes. I was not the one<br/>5 being sued.<br/>6 Q. Have you ever been sued?<br/>7 A. No.<br/>8 Q. And all of these patients were<br/>9 patients whom you had seen at Mayo Clinic?<br/>10 A. Correct.<br/>11 Q. Were all of these patients seen<br/>12 after your medical schooling and training<br/>13 through fellowship?<br/>14 A. Correct.<br/>15 Q. So it was after your training<br/>16 time.<br/>17 A. My fellowship finished June 30th<br/>18 of 2000, so all this took place after --<br/>19 when I was on staff.<br/>20 Q. Did any of the depositions that<br/>21 you gave as a treating physician involve the<br/>22 use of a medical device?<br/>23 A. Yes.<br/>24 Q. Which ones?<br/>25 A. They were meshes. The roughly --</p> |

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| <p style="text-align: right;">Page 13</p> <p>1 I'm only going to give you a rough estimate.<br/> 2 The first six, seven depositions were all<br/> 3 involving non-medical devices, surgical<br/> 4 issues, and then the last seven or so --<br/> 5 again, that's a rough estimate -- were all<br/> 6 pertaining to meshes for transvaginal use.<br/> 7 Q. Can you tell me the names of the<br/> 8 patients or the case names of these meshes<br/> 9 -- sorry -- of the cases that involved<br/> 10 transvaginal mesh?<br/> 11 A. I don't understand your question.<br/> 12 You changed it. What are you asking?<br/> 13 Q. Can you tell me the names of the<br/> 14 patients, the plaintiffs, in these cases<br/> 15 where you've testified as a treater where<br/> 16 the case involved transvaginal mesh use?<br/> 17 A. Well, for confidentiality<br/> 18 purposes, I can't be giving you patient<br/> 19 names. Number one, I won't be able to<br/> 20 remember them. But if I could remember<br/> 21 them, I can't give you their names.<br/> 22 Q. You can give the names. If you<br/> 23 were testifying in a litigation, in a<br/> 24 deposition, that's public.<br/> 25 A. Okay. Then I -- well, I can't</p> | <p style="text-align: right;">Page 14</p> <p>1 remember them. I can't recall them. Even<br/> 2 the one in June I can't recall. I remember<br/> 3 some issues pertaining to the case but not<br/> 4 the patient name.<br/> 5 Q. Can you tell me the issues you<br/> 6 recall pertaining to the case?<br/> 7 A. Most specifically, the one in May<br/> 8 or June was a transvaginal mesh for<br/> 9 prolapse. I don't recall which company<br/> 10 product it was. The woman had it placed in<br/> 11 Atlanta, I do know that, and she had<br/> 12 complications.<br/> 13 Q. What type of complications?<br/> 14 A. Pelvic pain, dyspareunia, voiding<br/> 15 dysfunction, ambulatory difficulties. Off<br/> 16 the top of my head, that's fairly thorough.<br/> 17 Q. Do you recall the name of the<br/> 18 physician involved or any of the physicians?<br/> 19 A. Excuse me. No, I do not.<br/> 20 Q. Do you recall the name of the<br/> 21 lawyers who took your deposition?<br/> 22 A. They were based in Atlanta so I<br/> 23 don't -- I'm not familiar.<br/> 24 Q. Did anyone represent you at that<br/> 25 deposition?</p> |
| <p style="text-align: right;">Page 15</p> <p>1 A. Well, no one -- I mean, Mayo has<br/> 2 their team of 30 or 40 lawyers. So no one<br/> 3 was in the room with me representing me. I<br/> 4 had access to the Mayo legal team if I asked<br/> 5 for it, but I didn't ask for it. So I don't<br/> 6 know if that answers your question or not.<br/> 7 Q. No. That does.<br/> 8 Can you tell me the details of<br/> 9 any of the other cases in which you gave<br/> 10 testimony as a treating physician that<br/> 11 involved mesh use or mesh used<br/> 12 transvaginally?<br/> 13 A. I won't be able to give you<br/> 14 specifics just because I don't recall.<br/> 15 There are various different<br/> 16 with anti-incontinence procedures, bladder<br/> 17 perforations, urethral perforations, pain.<br/> 18 And then with the meshes for transvaginal<br/> 19 purposes it would be, again, somewhat<br/> 20 similar, though usually it was pain, pelvic<br/> 21 pain or dyspareunia. But I must emphasize,<br/> 22 that's a rough estimate because I just don't<br/> 23 recall.<br/> 24 Q. You don't have a good<br/> 25 recollection.</p>  | <p style="text-align: right;">Page 16</p> <p>1 A. No, I do not.<br/> 2 Q. Do you have a recollection, then,<br/> 3 as to whether any of these were Prolifts®<br/> 4 which you gave testimony on as a treating<br/> 5 doctor?<br/> 6 A. I don't recall. All I can<br/> 7 remember, again, just the most recent one<br/> 8 was in May or June and that was not. That<br/> 9 was Avaulta, I believe.<br/> 10 Q. Avaulta.<br/> 11 A. Again, just to emphasize, that is<br/> 12 a guess. I believe that's what it was.<br/> 13 Q. As you sit here today, your best<br/> 14 recollection is it was Avaulta?<br/> 15 A. Correct.<br/> 16 Q. Were any of the mesh products for<br/> 17 which you gave testimony as a treater that<br/> 18 involved transvaginal placement, did they<br/> 19 involve the Prosima® product?<br/> 20 A. I don't recall.<br/> 21 Q. Did any of these cases involving<br/> 22 the transvaginal mesh for which you gave<br/> 23 testimony as a treating physician involve<br/> 24 the Prolift® M?<br/> 25 A. I don't recall.</p>   |

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| <p style="text-align: right;">Page 17</p> <p>1 Q. Plus M?</p> <p>2 A. I don't recall.</p> <p>3 Q. Have you ever given testimony as</p> <p>4 a treating physician in a case that involved</p> <p>5 TVT®?</p> <p>6 A. Yes.</p> <p>7 Q. On how many occasions?</p> <p>8 A. Again, I'm going to have to only</p> <p>9 give you a rough estimate. It was probably</p> <p>10 one or two times. There's definitely once</p> <p>11 but, again, beyond that, I can't really</p> <p>12 accurately recall.</p> <p>13 Q. When was the first TVT® case that</p> <p>14 you gave testimony in?</p> <p>15 A. I don't recall. It would have</p> <p>16 been probably in the three or four or five</p> <p>17 years ago time range.</p> <p>18 Q. Were you also testifying in that</p> <p>19 case as a treating physician?</p> <p>20 A. Yeah. I -- I was not the one who</p> <p>21 put the product in. I was the one who took</p> <p>22 care of the problem afterwards. So yes, it</p> <p>23 was the -- my care -- it was specifically my</p> <p>24 care from the first day she showed up in the</p> <p>25 office until the last day I saw her.</p> | <p style="text-align: right;">Page 18</p> <p>1 Q. And where was that case situated</p> <p>2 at? Do you recall?</p> <p>3 MR. ANDERSON: The TVT®?</p> <p>4 MR. SNELL: Yes.</p> <p>5 THE WITNESS: Where the TVT®</p> <p>6 was placed?</p> <p>7 BY MR. SNELL:</p> <p>8 Q. Where was the TVT® case situated,</p> <p>9 filed? Was it a Minnesota case or somewhere</p> <p>10 else?</p> <p>11 A. Oh. I have no idea. Because</p> <p>12 Mayo gets people from all over the world, so</p> <p>13 all 50 states, so I don't -- I don't recall.</p> <p>14 Again, the only reason I</p> <p>15 remember the one in -- the last one, the</p> <p>16 mesh case in June, was because it was a</p> <p>17 recent one and I had just been in Atlanta</p> <p>18 for another meeting so it's kind of stuck in</p> <p>19 my mind.</p> <p>20 Q. The TVT® case that you gave</p> <p>21 testimony in, the first one, did it involve</p> <p>22 the retropubic or transobturator product?</p> <p>23 A. No. It was the -- yeah, the</p> <p>24 retropubic approach.</p> <p>25 Q. Do you recall the name of the</p>  |
| <p style="text-align: right;">Page 19</p> <p>1 plaintiff's counsel or the defense lawyer</p> <p>2 there?</p> <p>3 A. No, I do not.</p> <p>4 Q. Were you represented in that</p> <p>5 matter, in that case?</p> <p>6 A. Same answer as before. To the</p> <p>7 best of my knowledge, only one time I've had</p> <p>8 the Mayo lawyer team in the room with me,</p> <p>9 and that was not pertaining to a mesh. So</p> <p>10 Mayo legal team represents me but, again,</p> <p>11 they were not in the room.</p> <p>12 Q. Can you tell me the case where</p> <p>13 you had the Mayo Clinic legal in the room</p> <p>14 with you?</p> <p>15 A. It was my first or second</p> <p>16 deposition and it was a rectourethral</p> <p>17 fistula following -- for prostate cancer,</p> <p>18 brachytherapy seeds, and a hole developed</p> <p>19 between the rectum and the prostate.</p> <p>20 Q. And how did it develop?</p> <p>21 A. As a result of radiation therapy</p> <p>22 for brachytherapy.</p> <p>23 Q. And this was radio -- radiation</p> <p>24 or radiotherapy?</p> <p>25 A. Radiation, yeah.</p>                          | <p style="text-align: right;">Page 20</p> <p>1 Radiation can be given either</p> <p>2 external beam or with seed implants for</p> <p>3 prostate cancer. Seed implants, another</p> <p>4 term for that is brachytherapy. And then</p> <p>5 the hole developed following that.</p> <p>6 Q. And this was brachytherapy given</p> <p>7 by some other physician and not you?</p> <p>8 A. Correct. I did not give it.</p> <p>9 Yeah.</p> <p>10 Q. What do you recall about the TVT®</p> <p>11 retropubic case in which you gave testimony</p> <p>12 in as a treating physician?</p> <p>13 A. The one that I can remember in</p> <p>14 particular, it was a bladder perforation.</p> <p>15 Q. Was the bladder perforation</p> <p>16 recognized at the time of surgery?</p> <p>17 A. No, it was not. Specifically, I</p> <p>18 can tell you there was a cystoscopy note</p> <p>19 said there was no perforation.</p> <p>20 Q. What did your course of care</p> <p>21 consist of in that matter in which you gave</p> <p>22 deposition testimony upon?</p> <p>23 A. Briefly, the patient came to see</p> <p>24 me for recurrent urinary tract infections,</p> <p>25 irritative voiding symptoms, burning with</p> |

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| <p style="text-align: right;">Page 21</p> <p>1 urination and pelvic pain.<br/> 2 We performed a physical exam,<br/> 3 which, as I recall, was negative, performed<br/> 4 a cystoscopic exam, which showed two meshes<br/> 5 going through bilaterally in the bladder or<br/> 6 one on each side of the bladder.<br/> 7 Q. Do you know who placed that mesh?<br/> 8 A. It was an outside physician. I<br/> 9 don't recall who it was.<br/> 10 Q. In any of the 15 cases where you<br/> 11 gave deposition testimony in as a treating<br/> 12 physician did you opine that another<br/> 13 physician breached the standard of care in<br/> 14 any manner?<br/> 15 A. Again, it's going to be difficult<br/> 16 to recall each one in particular.<br/> 17 From my recollection, no,<br/> 18 because specifically I was to offer an<br/> 19 opinion specifically from the day they<br/> 20 showed up at my office to the day they left.<br/> 21 So I was instructed by the legal team not to<br/> 22 offer an opinion --<br/> 23 Q. I don't want you to tell me what<br/> 24 your legal team instructed you.<br/> 25 MR. ANDERSON: Listen to the</p> | <p style="text-align: right;">Page 22</p> <p>1 question and answer his question.<br/> 2 THE WITNESS: Okay.<br/> 3 BY MR. SNELL:<br/> 4 Q. Now, you said that there was --<br/> 5 you testified in TVT® cases one or two times<br/> 6 and we talked about the TVT® retropubic<br/> 7 case.<br/> 8 Can you tell me, what was the<br/> 9 sum of your testimony in that TVT®<br/> 10 retropubic case beyond, you know, the<br/> 11 patient came to you as you testified --<br/> 12 A. Uh-huh.<br/> 13 Q. -- you know, you did a workup and<br/> 14 you found mesh?<br/> 15 What else, if anything, did you<br/> 16 testify to in that matter?<br/> 17 A. They asked how did I treat the<br/> 18 situation, which that was at that point in<br/> 19 time an open surgical repair. We went<br/> 20 through the abdomen and took out the mesh.<br/> 21 They wanted to know what was<br/> 22 the end result of it, if it cured the<br/> 23 problem that she presented with, which, as I<br/> 24 recall, the answer was yes.<br/> 25 And then, again, as far as I</p>                       |
| <p style="text-align: right;">Page 23</p> <p>1 recall, the discussion ended at that point<br/> 2 in time. I'm sure there were other<br/> 3 questions. I don't recall them, though.<br/> 4 Q. Who removed the mesh in that<br/> 5 case?<br/> 6 A. I did. And my surgical team. It<br/> 7 wasn't just me.<br/> 8 Q. Did you remove the entire mesh or<br/> 9 just the portion that was in the bladder?<br/> 10 A. We removed -- that's an excellent<br/> 11 question because that pertains to overall<br/> 12 care and recurrence.<br/> 13 We removed from the --<br/> 14 everything we get from beneath the skin<br/> 15 through the rectus, through the fascia, into<br/> 16 the bladder, and then deep down into the<br/> 17 pelvis to the level of the endopelvic<br/> 18 fascia. As I recall, we did not perforate<br/> 19 the endopelvic fascia and remove the<br/> 20 suburethral portion.<br/> 21 Q. The other TVT® case that you gave<br/> 22 testimony in as a treater, what type of TVT®<br/> 23 product was that?<br/> 24 A. It was a retropubic also.<br/> 25 Q. And for the first TVT® case that</p>                                 | <p style="text-align: right;">Page 24</p> <p>1 we were discussing, where did you physically<br/> 2 sit when you gave that deposition testimony?<br/> 3 A. At the Mayo Clinic in the legal<br/> 4 office.<br/> 5 Q. In the second TVT® retropubic<br/> 6 case where did you physically give<br/> 7 deposition testimony from?<br/> 8 A. Same place. All my depositions<br/> 9 except for the patent infringement have been<br/> 10 in the legal office at Mayo.<br/> 11 Q. And do you remember the names of<br/> 12 the attorneys in the second TVT® retropubic<br/> 13 case?<br/> 14 A. No, I do not.<br/> 15 Q. Do you remember approximately<br/> 16 when you gave that deposition?<br/> 17 A. Again, it would have been -- no.<br/> 18 To answer your question, no, I can't. I<br/> 19 mean, I can give you a five-year time frame.<br/> 20 Q. The first TVT® retropubic case<br/> 21 that we've discussed, was that the first one<br/> 22 chronologically that you gave testimony in?<br/> 23 A. That's the first one that I can<br/> 24 remember.<br/> 25 Q. That's fine.</p> |

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| <p style="text-align: right;">Page 25</p> <p>1 And then now this second one we<br/>2 were talking about is sometime after that?<br/>3 A. I don't -- I don't recall the<br/>4 dates.<br/>5 Q. Okay.<br/>6 A. I just happen to remember the<br/>7 bladder perforation most notably.<br/>8 Q. Now, the second TVT® retropubic<br/>9 case, can you tell me the sum and substance<br/>10 of your testimony in that case?<br/>11 A. I don't -- I -- on that one I do<br/>12 not remember any specifics.<br/>13 Q. Earlier you testified that the<br/>14 last seven or so cases you gave deposition<br/>15 testimony in involving transvaginal mesh --<br/>16 strike that.<br/>17 You testified there were seven<br/>18 or so depositions you gave pertaining to<br/>19 transvaginal mesh use; correct?<br/>20 A. Correct.<br/>21 Q. And of those seven or so, two of<br/>22 them were TVT®.<br/>23 A. That's a rough estimate. Yes.<br/>24 Q. That's fine.<br/>25 One may have been Avaulta,</p> | <p style="text-align: right;">Page 26</p> <p>1 which is the most recent one; correct?<br/>2 A. Can you go back? Your question,<br/>3 then, so I make sure I understand, as I can<br/>4 recall --<br/>5 Q. How about this? Let me withdraw<br/>6 it.<br/>7 Of the seven cases that you<br/>8 gave deposition testimony in involving the<br/>9 transvaginal use of mesh, tell me the<br/>10 products that were involved.<br/>11 A. Okay. I -- the only ones I'll be<br/>12 able to specifically tell you would be TVT®<br/>13 and then Avaulta. I do not recall all the<br/>14 others.<br/>15 Q. As you sit here today, we've<br/>16 discussed two TVT® cases; correct?<br/>17 A. Correct.<br/>18 Q. Are those the only two that you<br/>19 recall?<br/>20 A. That I recall, yes.<br/>21 Q. And as you sit here today, we've<br/>22 discussed one case that was this year, I<br/>23 believe you testified in May or June.<br/>24 A. Correct.<br/>25 Q. And that you believe involved</p> |
| <p style="text-align: right;">Page 27</p> <p>1 Avaulta.<br/>2 A. Correct.<br/>3 Q. Are there any other Avaulta cases<br/>4 that you recall?<br/>5 A. Not that I can recall, no.<br/>6 Q. For any of the other seven cases<br/>7 that involved the use of transvaginal mesh<br/>8 do you recall the names of any of those<br/>9 patients?<br/>10 A. No.<br/>11 Q. Do you recall the names of any of<br/>12 the lawyers?<br/>13 A. No. I could only give you the<br/>14 location that the last one was. They were<br/>15 based in Atlanta. That's all I remember.<br/>16 Q. And do you know where any of<br/>17 those lawsuits were filed?<br/>18 A. Just the one in Atlanta. I don't<br/>19 know if a case was filed, I have no<br/>20 knowledge of that, but all -- I was giving a<br/>21 deposition.<br/>22 Q. And do you have the deposition<br/>23 transcripts from any of these depositions?<br/>24 A. No, I do not.<br/>25 Q. Does the Mayo Clinic have these</p>                     | <p style="text-align: right;">Page 28</p> <p>1 transcripts?<br/>2 A. I would assume they would.<br/>3 Q. Have you ever testified in<br/>4 Federal Court?<br/>5 A. I don't know what that -- the<br/>6 case in Tacoma, that was a district court.<br/>7 I don't know the hierarchy of courts.<br/>8 Q. Tell me about the case in Tacoma.<br/>9 What was your role giving<br/>10 testimony there?<br/>11 A. It was a patent infringement<br/>12 case, Coloplast versus GMD, which was<br/>13 Generic Medical Devices. And my role was<br/>14 with Coloplast as far as my opinion, whether<br/>15 the GMD product infringed upon the<br/>16 transobturator approach that is owned by<br/>17 Coloplast, I assume.<br/>18 Q. You testified for Coloplast in<br/>19 that patent infringement matter?<br/>20 A. Correct.<br/>21 Q. Were you hired as an expert<br/>22 witness --<br/>23 A. Yes.<br/>24 Q. -- in that matter?<br/>25 A. Excuse me. Yes.</p>                                    |

7 (Pages 25 to 28)



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| <p style="text-align: right;">Page 29</p> <p>1 Q. And what was your expert opinion<br/>2 in that Coloplast matter with regard to the<br/>3 transobturator approach?<br/>4 A. That the use of the GMD<br/>5 transobturator trochars and mesh infringed<br/>6 upon the Coloplast-held patent.<br/>7 Q. And when did you give this<br/>8 deposition testimony in the patent<br/>9 infringement case for Coloplast?<br/>10 A. The deposition was given in<br/>11 November of 2011.<br/>12 Q. When were you retained as an<br/>13 expert?<br/>14 A. The summer of 2009.<br/>15 Q. And I believe you earlier<br/>16 testified that you also testified at trial<br/>17 in that case as well.<br/>18 A. Correct.<br/>19 Q. Was that a jury trial or a judge?<br/>20 A. Jury.<br/>21 Q. Did you issue any opinions about<br/>22 -- strike that.<br/>23 In this patent infringement<br/>24 case that you gave deposition testimony in<br/>25 for Coloplast am I correct that it involved</p>  | <p style="text-align: right;">Page 30</p> <p>1 the transobturator use of synthetic mesh?<br/>2 A. It would have been specifically<br/>3 the transobturator surgical approach. There<br/>4 was -- the mesh itself was not a part of --<br/>5 as far as I recall, not a part of the<br/>6 patent. It was the surgical approach, the<br/>7 transobturator, that Coloplast owned. So it<br/>8 was not inclusive or exclusive of a mesh<br/>9 being used.<br/>10 Q. And besides the synthetic mesh,<br/>11 can you tell me what other mesh material,<br/>12 cadaveric, autologous or whatever, is placed<br/>13 through a transobturator approach?<br/>14 And I assume this is for -- let<br/>15 me back up. This -- I assume this is for<br/>16 stress urinary incontinence, this patent<br/>17 infringement?<br/>18 A. Correct.<br/>19 Q. So for stress urinary<br/>20 incontinence can you tell me what other<br/>21 material besides the synthetic mesh is<br/>22 placed via the transobturator approach?<br/>23 A. As far as I know, only synthetic<br/>24 meshes are. But that was not what the<br/>25 patent was involving.</p> |
| <p style="text-align: right;">Page 31</p> <p>1 Q. And you've used synthetic meshes<br/>2 in placing -- strike that.<br/>3 You've used synthetic meshes in<br/>4 the past to treat stress urinary<br/>5 incontinence via the transobturator route;<br/>6 correct?<br/>7 A. Correct.<br/>8 Q. Did you give any opinions in this<br/>9 patent infringement case about the condition<br/>10 of stress urinary incontinence and whether<br/>11 it needed to be treated?<br/>12 A. I gave as far as my expert report<br/>13 a description of stress urinary<br/>14 incontinence. But, again, the patent was<br/>15 not pertaining to what is being treated.<br/>16 The patent was the transobturator approach<br/>17 using those products.<br/>18 Q. And the transobturator approach<br/>19 to treat stress urinary incontinence;<br/>20 correct?<br/>21 A. Again, specifically, the patent<br/>22 was the transobturator surgery. That's what<br/>23 was being discussed. And if the GMD product<br/>24 was infringing upon that patent.<br/>25 Q. Did you give any opinions about</p> | <p style="text-align: right;">Page 32</p> <p>1 whether the transobturator surgery was a<br/>2 safe procedure?<br/>3 A. Yes.<br/>4 Q. What did you testify in that<br/>5 regard?<br/>6 A. I felt when it was done<br/>7 correctly, it was a safe procedure.<br/>8 Q. Did you give testimony about the<br/>9 efficacy of the transobturator surgery to<br/>10 treat stress urinary incontinence versus<br/>11 other surgical options?<br/>12 A. I don't recall that question ever<br/>13 coming up or me offering an opinion.<br/>14 Q. You didn't put that in your<br/>15 report?<br/>16 A. I don't recall that specifically,<br/>17 no.<br/>18 Q. You mentioned you issued a report<br/>19 in that patent infringement case.<br/>20 Did you issue your report<br/>21 before your deposition testimony?<br/>22 A. Yes.<br/>23 Q. How many times were you deposed<br/>24 in that patent infringement case?<br/>25 A. Once.</p>  |

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| <p style="text-align: right;">Page 33</p> <p>1 Q. And you gave trial testimony on<br/>2 one occasion.<br/>3 A. Correct. Over two days, but<br/>4 yeah, one trial.<br/>5 Q. Did the General Medical Devices,<br/>6 the party, have an expert opposite you?<br/>7 A. Yes.<br/>8 Q. What was his or her name?<br/>9 A. Dr. George Webster.<br/>10 Q. Before being involved in that<br/>11 case, did you know Dr. George Webster?<br/>12 A. Yes.<br/>13 Q. How did you know Dr. Webster?<br/>14 A. Through meetings.<br/>15 Q. What type of physician is<br/>16 Dr. Webster?<br/>17 A. Urologist.<br/>18 Q. Where does he practice?<br/>19 A. Duke.<br/>20 Q. Are you still retained in the<br/>21 patent infringement case?<br/>22 A. No, I'm not.<br/>23 Q. Do you have a list of testimony<br/>24 that you've given?<br/>25 A. I don't understand the question.</p>  | <p style="text-align: right;">Page 34</p> <p>1 Q. Do you have a document, a list of<br/>2 testimony, that you have given in the past?<br/>3 A. I still don't understand it. A<br/>4 list of testimony? I don't --<br/>5 Q. Do you have a document which<br/>6 contains a list of the prior depositions,<br/>7 trial testimonies --<br/>8 A. Oh.<br/>9 Q. -- you've given in the past?<br/>10 A. No, I do not.<br/>11 Q. You did not serve such a document<br/>12 with your expert report in the patent<br/>13 infringement case?<br/>14 A. No. So I just want to clarify,<br/>15 you're asking do I have a list of all the<br/>16 depositions I've given? I mean, okay, no, I<br/>17 do not have that at all.<br/>18 Q. A list of all the depositions<br/>19 you've given in any matter.<br/>20 A. Yeah.<br/>21 Q. Not just involving Mayo.<br/>22 A. No. I have not given any<br/>23 depositions except being at Mayo. So during<br/>24 my training -- well, my training is Mayo. I<br/>25 did one year of fellowship at Baylor College</p>                     |
| <p style="text-align: right;">Page 35</p> <p>1 of Medicine at Houston. I did not give<br/>2 anything there.<br/>3 Q. In any of the cases where you<br/>4 testified with regard to the use of<br/>5 transvaginal mesh did you testify that the<br/>6 use of mesh was improper in that case?<br/>7 MR. ANDERSON: Objection.<br/>8 Go ahead.<br/>9 THE WITNESS: I'd have to<br/>10 clarify the question. Please rephrase it so<br/>11 I can understand.<br/>12 BY MR. SNELL:<br/>13 Q. In the seven or so cases you gave<br/>14 testimony pertaining to transvaginal use of<br/>15 mesh did you ever give deposition testimony<br/>16 that the use of mesh was improper?<br/>17 A. To the best of my recollection,<br/>18 no. I was giving testimony pertaining to<br/>19 the complications that happened afterwards<br/>20 and specifically, no, I did not say they<br/>21 were improper.<br/>22 Q. Did you give any deposition<br/>23 testimony in those seven or so cases<br/>24 involving transvaginal mesh that some other<br/>25 surgical procedure to treat the condition</p> | <p style="text-align: right;">Page 36</p> <p>1 should have been performed?<br/>2 A. No. You -- I -- again, let me go<br/>3 back to clarify.<br/>4 Q. Uh-huh.<br/>5 A. Are you asking should a non-mesh<br/>6 procedure have been performed?<br/>7 Q. Any other type of procedure.<br/>8 A. Okay. No, I did not.<br/>9 Q. For example, just to make sure<br/>10 we're on the same page, if it was a case<br/>11 involving the Avaulta product, that's a<br/>12 product to treat prolapse; correct?<br/>13 A. Correct.<br/>14 Q. In that case, did you give<br/>15 deposition testimony that some other<br/>16 surgical procedure should have been<br/>17 performed instead of Avaulta, such as<br/>18 sacrocolpopexy, colporrhaphy, any other<br/>19 prolapse surgery?<br/>20 A. No, never. That was not my role.<br/>21 My role was dealing with the complications.<br/>22 So no, I did not give an opinion that way.<br/>23 Q. So now that we're on the same<br/>24 page and, hopefully, we're understanding<br/>25 each other, just so I'm clear, in those</p> |

9 (Pages 33 to 36)

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| <p style="text-align: right;">Page 37</p> <p>1 seven cases involving transvaginal use of<br/> 2 mesh did you give testimony that some other<br/> 3 surgical procedure should have been<br/> 4 performed instead of the particular<br/> 5 procedure in a case?<br/> 6 A. Okay. To the best of my<br/> 7 knowledge, no, never.<br/> 8 Q. The first six or seven<br/> 9 depositions you gave involved surgical<br/> 10 issues.<br/> 11 A. Correct.<br/> 12 Q. Can you tell me what they<br/> 13 involved?<br/> 14 A. Most of them were rectourethral<br/> 15 fistulas, like I mentioned earlier, from<br/> 16 radiation damage.<br/> 17 There was one that I can<br/> 18 recall, again, neurogenic bladder following<br/> 19 a fall, an inability to work. And that's<br/> 20 all I can recall.<br/> 21 And to be honest, there are<br/> 22 probably other ones, I just cannot recall.<br/> 23 Majority of them early on were definitely<br/> 24 rectourethral fistulas, though.<br/> 25 Q. Besides the patent infringement</p>                   | <p style="text-align: right;">Page 38</p> <p>1 case where you've issued an expert report,<br/> 2 have you issued an expert report in any<br/> 3 other case, setting aside the present case<br/> 4 that we're here for today?<br/> 5 A. No. That's the only one.<br/> 6 Q. Was Coloplast the plaintiff or<br/> 7 defendant in that patent infringement case?<br/> 8 A. I'm not that great on legal<br/> 9 terms, but they were -- Coloplast was suing<br/> 10 GMD for infringement so I assume that's<br/> 11 plaintiff.<br/> 12 Q. Do you have transcripts of your<br/> 13 deposition or trial testimony from the<br/> 14 Coloplast case?<br/> 15 A. No, I do not. Those have all<br/> 16 been returned to Coloplast. I have reviewed<br/> 17 them but they all were returned to -- not<br/> 18 Coloplast. The legal firm that was<br/> 19 representing them.<br/> 20 Q. So you reviewed the deposition<br/> 21 transcripts and trial transcripts in your<br/> 22 Coloplast case?<br/> 23 A. Only the deposition, not the<br/> 24 trial.<br/> 25 Q. Did you make any corrections to</p> |
| <p style="text-align: right;">Page 39</p> <p>1 those deposition transcripts?<br/> 2 A. We had -- there were<br/> 3 clarifications so -- an errata or whatever<br/> 4 you call that form was filled out. I read<br/> 5 over it. There were spelling errors,<br/> 6 grammar errors, those types of things.<br/> 7 Q. Any substantive changes you<br/> 8 recall?<br/> 9 A. According to me and according to<br/> 10 what the lawyer told me --<br/> 11 Q. I don't want to know about the<br/> 12 lawyer, just you, in your mind, as a<br/> 13 surgeon.<br/> 14 A. There would be one where the --<br/> 15 the question came up and I misunderstood the<br/> 16 question and then we corrected it in the<br/> 17 form of the deposition. And so we went<br/> 18 back, I went back, and made sure it was<br/> 19 clear that this was a misunderstanding.<br/> 20 Q. Do you recall the question and<br/> 21 your answer?<br/> 22 A. Yes, I do.<br/> 23 Q. What is it? Or strike that.<br/> 24 What was it?<br/> 25 A. And can I disclose that? I</p> | <p style="text-align: right;">Page 40</p> <p>1 don't --<br/> 2 Q. It was in a deposition.<br/> 3 A. It was in a deposition.<br/> 4 Q. I don't see why not.<br/> 5 Was the deposition sealed?<br/> 6 MR. ANDERSON: Unless it's<br/> 7 filed under seal. I don't know.<br/> 8 BY MR. SNELL:<br/> 9 Q. Well, you gave trial testimony.<br/> 10 A. Yeah.<br/> 11 Q. Did you give trial testimony and<br/> 12 opinions that concerned this errata --<br/> 13 A. Yes.<br/> 14 Q. -- change or issue?<br/> 15 A. No, not the trial, that issue did<br/> 16 not come up. The GMD did not challenge the<br/> 17 change. I mean, I know what it is. I just<br/> 18 want to make sure I can talk about it.<br/> 19 Q. Do you have any basis or reason<br/> 20 to believe that the transcript was sealed?<br/> 21 A. No. But I'm not a lawyer so I --<br/> 22 MR. ANDERSON: Objection.<br/> 23 He wouldn't know that.<br/> 24 THE WITNESS: Yeah. I don't<br/> 25 know.</p>  |

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| <p style="text-align: right;">Page 41</p> <p>1 BY MR. SNELL:</p> <p>2 Q. When you reviewed it, did you see</p> <p>3 any designation that the transcript was</p> <p>4 confidential?</p> <p>5 A. Many of the documents -- many of</p> <p>6 the documents had "confidential" on it.</p> <p>7 Again, I'm not trying to be</p> <p>8 difficult.</p> <p>9 Q. That's okay.</p> <p>10 A. I know exactly what it is and I</p> <p>11 could tell you. I don't --</p> <p>12 MR. ANDERSON: If he feels like</p> <p>13 it's ground-breaking stuff, we'll figure it</p> <p>14 out after the deposition.</p> <p>15 MR. SNELL: No. Don't worry</p> <p>16 about it.</p> <p>17 THE WITNESS: Okay.</p> <p>18 BY MR. SNELL:</p> <p>19 Q. Have you ever issued any expert</p> <p>20 Affidavits?</p> <p>21 A. I don't know what that is.</p> <p>22 Q. It's a written document where, it</p> <p>23 can be like a report except you swear under</p> <p>24 penalty of perjury that things you wrote and</p> <p>25 said in the Affidavit are true and correct,</p> | <p style="text-align: right;">Page 42</p> <p>1 to the best of your knowledge and belief.</p> <p>2 A. I don't recall ever doing that,</p> <p>3 no. I would think I would remember</p> <p>4 something like that but I don't recall that.</p> <p>5 Q. Besides this matter, are there</p> <p>6 any cases in which you expect to testify in</p> <p>7 with regard to the use of transvaginal mesh?</p> <p>8 A. No.</p> <p>9 Q. How did you come to be retained</p> <p>10 in this litigation?</p> <p>11 A. Mr. Anderson contacted me.</p> <p>12 Q. When was that?</p> <p>13 A. September of last year, 2011.</p> <p>14 Q. Besides Mr. Anderson, can you</p> <p>15 tell me the names of any other attorneys</p> <p>16 you've spoken with on behalf of the</p> <p>17 plaintiffs?</p> <p>18 A. Mr. Adam Slater, Mr. John</p> <p>19 Restaino. I mean, if you want to know</p> <p>20 everybody that I can think of, Mr. Tom</p> <p>21 Cartmell. And I don't recall. There may</p> <p>22 have been another one I don't recall. Those</p> <p>23 are the ones that I can think of.</p> <p>24 Q. Now, you've obviously met</p> <p>25 Mr. Anderson and Mr. Restaino.</p> |
| <p style="text-align: right;">Page 43</p> <p>1 Have you met any of the other</p> <p>2 lawyers in person?</p> <p>3 A. Yes, I've met them. I don't know</p> <p>4 their names. I mean, I've been sitting in</p> <p>5 here for a couple of days and they all come</p> <p>6 walking in and talk to me. I don't know who</p> <p>7 they are. I mean --</p> <p>8 MR. ANDERSON: Including Bill.</p> <p>9 THE WITNESS: So, again, I</p> <p>10 cannot state my list is complete.</p> <p>11 BY MR. SNELL:</p> <p>12 Q. What is your rate of</p> <p>13 compensation?</p> <p>14 A. 700 an hour.</p> <p>15 Q. And how many hours have you</p> <p>16 billed?</p> <p>17 A. I have no idea. I don't keep</p> <p>18 track.</p> <p>19 MR. SNELL: Mr. Anderson, do</p> <p>20 you have a list of the number of hours he's</p> <p>21 billed and paid?</p> <p>22 MR. ANDERSON: Yeah. We</p> <p>23 submitted that back in October to Kelly Maha</p> <p>24 and Mary Ellen with our other notices of</p> <p>25 materials reviewed, hourly rate, number of</p>     | <p style="text-align: right;">Page 44</p> <p>1 hours to date, total amount paid was all</p> <p>2 submitted on I believe October 21st.</p> <p>3 MR. SNELL: Is there a chance</p> <p>4 we can get that on the break? I don't have</p> <p>5 that. I have the list of disclosures and I</p> <p>6 went through them and I saw --</p> <p>7 MR. ANDERSON: Off the record.</p> <p>8 (Discussion off the record.)</p> <p>9 MR. SNELL: Back on.</p> <p>10 BY MR. SNELL:</p> <p>11 Q. Can you give me an estimate of</p> <p>12 the number of hours you've spent?</p> <p>13 A. I can't give you an accurate</p> <p>14 estimate because this has been over roughly</p> <p>15 a year now and many months. There's no --</p> <p>16 so I don't know.</p> <p>17 Q. Has your rate of compensation</p> <p>18 always been \$700 per hour for your work in</p> <p>19 this matter?</p> <p>20 A. Yes.</p> <p>21 Q. Do you have a separate</p> <p>22 compensation rate for testimony?</p> <p>23 A. No.</p> <p>24 Q. Do you have a separate</p> <p>25 compensation rate for if you present</p>   |

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| <p style="text-align: right;">Page 45</p> <p>1 testimony at trial?</p> <p>2 A. No.</p> <p>3 Q. Have you attended any meetings</p> <p>4 where other experts for the plaintiffs have</p> <p>5 been present?</p> <p>6 A. Experts for the plaintiffs.</p> <p>7 THE WITNESS: That's your side.</p> <p>8 MR. ANDERSON: Yeah.</p> <p>9 THE WITNESS: I pointed to</p> <p>10 Doctor -- Mr. Anderson.</p> <p>11 To the best of my knowledge,</p> <p>12 no. But we attend -- there's an overlap of</p> <p>13 meetings, uro-gyne and female urology, that</p> <p>14 overlaps. I do not recall ever meeting them</p> <p>15 in person, no.</p> <p>16 BY MR. SNELL:</p> <p>17 Q. Have you ever attended any</p> <p>18 meetings focused on this litigation with</p> <p>19 other experts for the plaintiff?</p> <p>20 A. No.</p> <p>21 Q. Have you ever spoken with or</p> <p>22 communicated with in any manner any other</p> <p>23 expert for the plaintiff in this litigation?</p> <p>24 A. Yeah. With Dr. Weber.</p> <p>25 Q. When was that?</p>   | <p style="text-align: right;">Page 46</p> <p>1 A. It was on a Saturday roughly --</p> <p>2 I'd have to look at the calendar. I would</p> <p>3 be able to tell you exactly if I looked at</p> <p>4 the calendar. A week and a half or so ago,</p> <p>5 something like that.</p> <p>6 Q. November 3rd sound right?</p> <p>7 A. Again, I'd have to look at the</p> <p>8 calendar. I -- days are all a blur right</p> <p>9 now.</p> <p>10 Q. Saturday before last.</p> <p>11 A. Today -- it would have been the</p> <p>12 Saturday before that. That sounds about</p> <p>13 right. And she was involved in a conference</p> <p>14 call.</p> <p>15 Q. Who all was on that conference</p> <p>16 call?</p> <p>17 A. Just Mr. Slater, and then</p> <p>18 Dr. Weber showed up half hour into the</p> <p>19 conversation.</p> <p>20 Q. What did you say to Dr. Weber?</p> <p>21 A. It was a half-hour conversation.</p> <p>22 I mean, I said hello to start off with and</p> <p>23 then we talked from there.</p> <p>24 Q. Tell me everything you recall</p> <p>25 discussing with Dr. Weber.</p> |
| <p style="text-align: right;">Page 47</p> <p>1 A. Okay. I asked her about the</p> <p>2 drive from Baltimore down. I wanted to know</p> <p>3 if there was traffic, which she said there</p> <p>4 was none. I complimented her on her</p> <p>5 manuscripts that she's written.</p> <p>6 Mr. Slater talked a lot and</p> <p>7 wanted to know her opinion on interstitial</p> <p>8 cystitis, which she then deferred to me</p> <p>9 since in urology we tend to deal with that</p> <p>10 more.</p> <p>11 I then discussed diagnostic</p> <p>12 criteria for interstitial cystitis. And we</p> <p>13 talked about dates of when she was going to</p> <p>14 give her deposition and then we talked about</p> <p>15 dates of when I was giving my deposition.</p> <p>16 And that's pretty much all I recall. That</p> <p>17 is all I recall.</p> <p>18 Q. You mentioned a conversation</p> <p>19 about the drive from Baltimore down? Were</p> <p>20 you in Baltimore?</p> <p>21 A. No. No. She -- from what I</p> <p>22 recall, Adam said she just drove down from</p> <p>23 Baltimore. Or up. Where is Baltimore?</p> <p>24 Baltimore is south.</p> <p>25 Q. Baltimore is south.</p> | <p style="text-align: right;">Page 48</p> <p>1 MR. RESTAINO: South.</p> <p>2 THE WITNESS: I thought she</p> <p>3 said she drove in from Baltimore.</p> <p>4 MR. SNELL: Okay. Just the</p> <p>5 down threw me off, that's all.</p> <p>6 THE WITNESS: Yeah. I'm an</p> <p>7 L.A. boy and Minnesota, so the East Coast</p> <p>8 states are too small. I don't know where</p> <p>9 they are.</p> <p>10 BY MR. SNELL:</p> <p>11 Q. Now, you complimented Dr. Weber</p> <p>12 on the manuscript she had written; is that</p> <p>13 correct?</p> <p>14 A. Manuscripts.</p> <p>15 Q. Scripts.</p> <p>16 And what manuscripts were</p> <p>17 those?</p> <p>18 A. I'd have to look at the -- the</p> <p>19 exact title of them. The -- there was the</p> <p>20 original one that she was involved with</p> <p>21 defining prolapses, and then the other one I</p> <p>22 believe the first author was, it was like</p> <p>23 Chmielewski, something like that. I'd --</p> <p>24 again, I'd have to look at the -- I know the</p> <p>25 content of the paper but not the exact</p>                  |

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| <p style="text-align: right;">Page 49</p> <p>1 title.</p> <p>2 Q. Well --</p> <p>3 A. It was redefining prolapse.</p> <p>4 Q. And how was the prolapse being</p> <p>5 redefined in the paper? Or strike that.</p> <p>6 How was the prolapse redefined</p> <p>7 in the manuscript by Dr. Weber?</p> <p>8 A. Well, I'd have to get out the</p> <p>9 paper and we'd have to go over it.</p> <p>10 Q. Just your general recollection.</p> <p>11 A. Well, again, that was a very</p> <p>12 large paper with a lot of details in it, but</p> <p>13 what they were doing -- and it's in my</p> <p>14 expert report in a great amount of detail so</p> <p>15 that would probably be the best way, to go</p> <p>16 to it. Because off the top of my head, I'm</p> <p>17 not going to do the paper justice.</p> <p>18 Q. But you said you recall</p> <p>19 complimenting Dr. Weber on the manuscript</p> <p>20 that she was involved in where she and</p> <p>21 others redefined prolapse.</p> <p>22 A. No. All I said was, is, I've</p> <p>23 read your papers and they've -- I've</p> <p>24 appreciated your work. Roughly, that's the</p> <p>25 statement I made. We did not go into detail</p> | <p style="text-align: right;">Page 50</p> <p>1 as far as the paper itself, but that's what</p> <p>2 I was referring to.</p> <p>3 Q. So you appreciated Dr. Weber's</p> <p>4 work in redefining prolapse.</p> <p>5 A. I think it's a -- I did not state</p> <p>6 that. That was my underlying intent,</p> <p>7 though.</p> <p>8 Q. And was the manuscript that</p> <p>9 you're referring to Chmielewski,</p> <p>10 C-H-M-I-E-L-E-W-S-K-I, Walters, Weber, et</p> <p>11 al., "Re-analysis of a Randomized Trial of</p> <p>12 Three Techniques of Anterior Colporrhaphy</p> <p>13 Using Clinically Relevant Definitions of</p> <p>14 Success," Journal of Obstetrics and</p> <p>15 Gynecology, 2011?</p> <p>16 A. That is correct.</p> <p>17 Q. Besides your expert reports in</p> <p>18 this case, have you done any other analyses</p> <p>19 on the use of transvaginal mesh?</p> <p>20 MR. ANDERSON: Objection.</p> <p>21 Go ahead.</p> <p>22 THE WITNESS: Well,</p> <p>23 transvaginal mesh -- you mean -- analyses,</p> <p>24 what do you mean as far as -- I need</p> <p>25 clarification. Studies? Expert reports?</p> |
| <p style="text-align: right;">Page 51</p> <p>1 What?</p> <p>2 MR. SNELL: Fair question.</p> <p>3 BY MR. SNELL:</p> <p>4 Q. Have you done any other expert</p> <p>5 reports on transvaginal mesh besides the</p> <p>6 ones in this matter?</p> <p>7 A. No. The only thing that would be</p> <p>8 close would be that patent infringement</p> <p>9 case. But, again, that was not dealing with</p> <p>10 meshes specifically.</p> <p>11 Q. Have you done any meta-analyses</p> <p>12 involving the use of transvaginal mesh?</p> <p>13 A. No.</p> <p>14 Q. Have you done any randomized,</p> <p>15 controlled trials involving the use of</p> <p>16 transvaginal mesh?</p> <p>17 A. No.</p> <p>18 Q. Have you done any randomized,</p> <p>19 controlled trials involving the use of</p> <p>20 mesh --</p> <p>21 A. No.</p> <p>22 Q. -- in any application?</p> <p>23 A. No.</p> <p>24 Q. Have you done any meta-analyses</p> <p>25 involving the use of mesh to treat prolapse?</p>  | <p style="text-align: right;">Page 52</p> <p>1 A. No.</p> <p>2 Q. Have you performed any analyses</p> <p>3 comparing the use of transvaginal mesh to</p> <p>4 other treatment, other surgical treatment</p> <p>5 options to treat prolapse?</p> <p>6 A. Well, analyses is a very broad</p> <p>7 term; therefore, the answer would be yes.</p> <p>8 Q. And can you tell me what analyses</p> <p>9 you have done?</p> <p>10 A. That would be reviewing of</p> <p>11 manuscripts, formulating papers, offering</p> <p>12 public opinion. No, that's not the right</p> <p>13 phrase. Statements regarding meshes.</p> <p>14 Q. Have you ever been involved in a</p> <p>15 clinical study that used transvaginal mesh</p> <p>16 to treat prolapse?</p> <p>17 A. No.</p> <p>18 Q. Have you ever been involved in a</p> <p>19 clinical study that used transvaginal mesh</p> <p>20 to treat stress urinary incontinence?</p> <p>21 A. Depends what you're defining</p> <p>22 clinical trial as.</p> <p>23 Q. How do you define a clinical</p> <p>24 trial?</p> <p>25 A. Well, clinical trial is a</p>                             |

13 (Pages 49 to 52)



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| <p style="text-align: right;">Page 53</p> <p>1 nondescript or nonspecific term.<br/> 2 We are doing analyses and<br/> 3 studies on management of mesh<br/> 4 complications. And just to clarify your<br/> 5 previous question, that would also include<br/> 6 transvaginal POP meshes as well as urinary<br/> 7 incontinence meshes. And that's dealing<br/> 8 with the laser, dealing with the urologic<br/> 9 complications and perforations. That is an<br/> 10 ongoing process.<br/> 11 Q. Have you done any retrospective<br/> 12 cohort studies involving the use of<br/> 13 transvaginal mesh?<br/> 14 A. Well, if that involves<br/> 15 anti-incontinence procedures, yes.<br/> 16 Q. And what study or studies were<br/> 17 those?<br/> 18 A. Those would be presentations<br/> 19 we've made over the years. I'd have to get<br/> 20 my CV out and review those. But dealing<br/> 21 with the efficacy -- the one specific I can<br/> 22 remember is the suprapubic ARC or SPARC by<br/> 23 EMS. That's the one I can recall.<br/> 24 I mean, we've done robotic<br/> 25 sacrocolpopexy data, which is involving,</p> | <p style="text-align: right;">Page 54</p> <p>1 obviously, abdominal mesh. I'd have to look<br/> 2 at my CV to give you a complete list,<br/> 3 though.<br/> 4 Q. Do you have your CV here today?<br/> 5 A. I do not have a copy, no.<br/> 6 Q. Have you been involved in any<br/> 7 prospective studies involving the use of<br/> 8 mesh?<br/> 9 A. No.<br/> 10 Q. Have you performed any<br/> 11 randomized, controlled trials with the<br/> 12 robotic sacrocolpopexy?<br/> 13 A. No.<br/> 14 Q. Have you done any prospective<br/> 15 studies involving the robotic<br/> 16 sacrocolpopexy?<br/> 17 A. Did you just ask that? I thought<br/> 18 it was the same question.<br/> 19 Q. I'm sorry. If I did, I<br/> 20 apologize. Let me back it up and just ask<br/> 21 it again. It's a little different.<br/> 22 A. Okay.<br/> 23 Q. Have you performed any<br/> 24 prospective studies involving robotic<br/> 25 sacrocolpopexy?</p>  |
| <p style="text-align: right;">Page 55</p> <p>1 A. No.<br/> 2 Q. When was the last time you<br/> 3 performed a robotic sacrocolpopexy? I mean<br/> 4 you as the lead surgeon.<br/> 5 A. It would have been -- I'm just<br/> 6 going to give you a guess. It was in the<br/> 7 past month. That may or may not be<br/> 8 completely accurate. It would have been<br/> 9 roughly that time frame.<br/> 10 Q. So in the last month you believe<br/> 11 you performed a robotic sacrocolpopexy?<br/> 12 A. Well, we're -- we're a team that<br/> 13 performs it. So, yes, I am -- I am the lead<br/> 14 surgeon, I am the primary surgeon, but there<br/> 15 is a team. And it's roughly within the past<br/> 16 month.<br/> 17 Q. And I assume you used synthetic<br/> 18 mesh in that robotic sacrocolpopexy?<br/> 19 A. Correct.<br/> 20 Q. Was that a polypropylene mesh?<br/> 21 A. Correct.<br/> 22 Q. And the sacrocolpopexy was<br/> 23 performed to treat prolapse?<br/> 24 A. Correct.<br/> 25 Q. Was it a case of recurrent</p>   | <p style="text-align: right;">Page 56</p> <p>1 prolapse?<br/> 2 A. I don't -- I don't recall the<br/> 3 details on it.<br/> 4 Q. Do you remember which<br/> 5 manufacturer's polypropylene mesh you used<br/> 6 in this robotic sacrocolpopexy that you<br/> 7 performed within the last month?<br/> 8 A. It was American Medical Systems,<br/> 9 abbreviated AMS, the IntePro, E-N-T-E<br/> 10 capital P-R-O.<br/> 11 Q. Are you specifically<br/> 12 credentialled by the Mayo Clinic to use<br/> 13 polypropylene mesh?<br/> 14 A. I'm not aware of there being a<br/> 15 credentialling process for use of mesh. I<br/> 16 am credentialled for all female urology and<br/> 17 prolapse.<br/> 18 Q. So you can perform any procedure<br/> 19 you see fit to treat prolapse at Mayo<br/> 20 Clinic, under their credentialling<br/> 21 guidelines.<br/> 22 A. Excluding uterine prolapse. I do<br/> 23 not perform that.<br/> 24 Q. So am I correct that Mayo Clinic<br/> 25 credentialled you to allow you to perform</p> |



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| <p style="text-align: right;">Page 57</p> <p>1 prolapse surgeries that include the use of<br/> 2 synthetic mesh?<br/> 3 A. No. They have credentialled me<br/> 4 or they have approved my credentials for all<br/> 5 prolapse repair, transvaginal or<br/> 6 transabdominal, including robotic and<br/> 7 laparoscopy, excluding uterine prolapse and<br/> 8 hysterectomy.<br/> 9 Q. And did Mayo Clinic credential<br/> 10 you to perform repairs for stress urinary<br/> 11 incontinence?<br/> 12 A. Yes.<br/> 13 Q. Did Mayo Clinic specifically<br/> 14 credential you for the use of synthetic mesh<br/> 15 to treat stress urinary incontinence?<br/> 16 A. I don't recall --<br/> 17 MR. ANDERSON: Object.<br/> 18 Objection.<br/> 19 Go ahead.<br/> 20 THE WITNESS: I don't recall<br/> 21 the specifics of it other than they say I<br/> 22 have to provide documentation that I know<br/> 23 how to treat stress urinary incontinence. I<br/> 24 do not recall specifically a mesh being<br/> 25 involved in there.</p>       | <p style="text-align: right;">Page 58</p> <p>1 BY MR. SNELL:<br/> 2 Q. Did you provide documentation<br/> 3 that you know how to treat prolapse to the<br/> 4 Mayo Clinic as part of your credentialling?<br/> 5 A. That would have been back in<br/> 6 2000. And, as I recall, we had to have a<br/> 7 letter from my fellowship director<br/> 8 documenting the number of cases, complexity<br/> 9 of cases, variety of cases that I had done<br/> 10 during fellowship to ensure that they had<br/> 11 reached an acceptable number to show talent<br/> 12 or competency, I suppose.<br/> 13 Q. When you performed this last<br/> 14 robotic sacrocolpopexy case involving<br/> 15 polypropylene synthetic mesh, did you select<br/> 16 the specific mesh or do you just -- how do<br/> 17 you requisition that mesh?<br/> 18 A. Early on, years ago, so it would<br/> 19 have been seven, eight, nine years ago, when<br/> 20 we were trying to determine this procedure<br/> 21 and how we were going to perform it, I<br/> 22 reviewed multiple different meshes.<br/> 23 Then it goes to an acquisition<br/> 24 committee, so to speak, who then contacts<br/> 25 the various different companies for</p> |
| <p style="text-align: right;">Page 59</p> <p>1 purchasing. And there were several that I<br/> 2 was okay with, and then for financial<br/> 3 reasons the IntePro was chosen. There's...<br/> 4 Q. And was Prolene mesh one of the<br/> 5 meshes that you were okay with?<br/> 6 A. They were all Prolene meshes,<br/> 7 polypropylene meshes.<br/> 8 MR. ANDERSON: You got that<br/> 9 clarification? You said Prolene, he said<br/> 10 polypropylene, so maybe we can do --<br/> 11 MR. SNELL: Yeah.<br/> 12 BY MR. SNELL:<br/> 13 Q. Did you evaluate Gynemesh® PS<br/> 14 during this review of meshes?<br/> 15 A. To the best of my knowledge, no.<br/> 16 Q. Why not?<br/> 17 A. I wasn't familiar with the<br/> 18 product.<br/> 19 Q. And this would have been<br/> 20 approximately seven or eight years ago?<br/> 21 A. It would have been our first<br/> 22 robot -- I'll back up.<br/> 23 I was originally trained to use<br/> 24 Gore-Tex sacrocolpopexies during my<br/> 25 fellowship. So when I returned on staff, I</p> | <p style="text-align: right;">Page 60</p> <p>1 continued to use Gore-Tex; however, I found<br/> 2 problems with it of erosion, extrusion --<br/> 3 excuse me. Not erosion. Extrusion into the<br/> 4 vagina. So it was roughly 2002, 2003 is<br/> 5 when I made the changeover to polypropylene.<br/> 6 Q. Your original training where you<br/> 7 used Gore-Tex, was that your fellowship?<br/> 8 A. Correct.<br/> 9 Q. And that was your fellowship at<br/> 10 Baylor.<br/> 11 A. Baylor, correct. In Houston,<br/> 12 Texas.<br/> 13 MR. SNELL: Why don't we take a<br/> 14 little break.<br/> 15 (Recess, 11:03-11:18 a.m.)<br/> 16 BY MR. SNELL:<br/> 17 Q. We spoke a little earlier about<br/> 18 the conference call you attended with<br/> 19 Dr. Weber.<br/> 20 What did Dr. Weber say to you?<br/> 21 A. She didn't speak. I mean, she<br/> 22 spoke to me but it was nothing of substance<br/> 23 other than that she felt my knowledge of<br/> 24 interstitial cystitis and practice was more<br/> 25 involved than hers or just because of my</p>  |

15 (Pages 57 to 60)

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| <p style="text-align: right;">Page 61</p> <p>1 practice, the variations between the two of<br/>2 us.<br/>3 We talked about patients that I<br/>4 had seen, and she had mentioned, you know,<br/>5 as far as her seeing patients with pelvic<br/>6 pain, I believe.<br/>7 Again, it was -- it was -- the<br/>8 majority of the time was actually me<br/>9 talking, not necessarily her.<br/>10 Q. Have you been on any other phone<br/>11 calls with any of the plaintiffs' experts<br/>12 besides this one conference call?<br/>13 A. No. Just Miss Weber or<br/>14 Dr. Weber.<br/>15 Q. Have you had any other form of<br/>16 communication with any expert for the<br/>17 plaintiffs?<br/>18 A. No. Communication, I mean, I've<br/>19 read depositions but no verbal or<br/>20 face-to-face communications with any<br/>21 plaintiff experts.<br/>22 Q. Any E-mails or letters --<br/>23 A. None.<br/>24 Q. -- correspondence between you and<br/>25 any other plaintiffs' expert?</p> | <p style="text-align: right;">Page 62</p> <p>1 A. None.<br/>2 Q. And which depositions of the<br/>3 plaintiffs' experts have you read?<br/>4 A. I'd have to look at the list. My<br/>5 supplemental list would be most thorough.<br/>6 Klinge. I'm not pronouncing<br/>7 that correctly, but it's the one I can think<br/>8 of off the top of my head. But, again, I'd<br/>9 have to go look at it.<br/>10 Q. Have you read Dr. Weber's<br/>11 deposition transcript?<br/>12 A. Yes.<br/>13 Q. When did you read Dr. Weber's<br/>14 deposition transcript?<br/>15 A. It was a few days after or<br/>16 following the deposition.<br/>17 Q. Besides Drs. Klinge and Weber,<br/>18 can you think of any other plaintiffs'<br/>19 expert deposition transcripts you've read?<br/>20 A. I'd have to get my supplemental<br/>21 report out. If we have that, I can go<br/>22 through the list. Because it's a fairly<br/>23 long list. And I have a -- I have a copy of<br/>24 my --<br/>25 MR. ANDERSON: No. Just --</p> |
| <p style="text-align: right;">Page 63</p> <p>1 you've answered the question.<br/>2 BY MR. SNELL:<br/>3 Q. Do you have a copy handy?<br/>4 A. Yes, I do.<br/>5 MR. ANDERSON: You mean of the<br/>6 supplemental?<br/>7 THE WITNESS: The supplemental.<br/>8 MR. SNELL: Whichever the<br/>9 doctor wants to look at.<br/>10 MR. ANDERSON: Oh, okay.<br/>11 BY MR. SNELL:<br/>12 Q. Just so the record is clear,<br/>13 you're looking at your supplemental expert<br/>14 report, which is dated what?<br/>15 A. This is dated November 7th. It<br/>16 is the copy that has been signed by me. I<br/>17 don't have it signed.<br/>18 THE WITNESS: You have -- do<br/>19 you have an official one?<br/>20 MR. ANDERSON: Yeah.<br/>21 That's the one I handed to you<br/>22 this morning, Burt.<br/>23 THE WITNESS: The only one that<br/>24 is signed by me is the only one that is the<br/>25 correct -- this is it. So the one you just</p>   | <p style="text-align: right;">Page 64</p> <p>1 handed me is the official one or the correct<br/>2 one, let's say.<br/>3 And so experts -- excuse me.<br/>4 Can you ask your question then again?<br/>5 MR. SNELL: Sure.<br/>6 Let's just make the record<br/>7 clear.<br/>8 I'm going to mark Deposition<br/>9 Exhibit Number 2 the supplemental report<br/>10 that I handed you that you have signed, just<br/>11 so we're clear on the record.<br/>12 (Exhibit Elliott-2 was marked<br/>13 for identification.)<br/>14 BY MR. SNELL:<br/>15 Q. Is that okay, Doctor?<br/>16 A. Correct.<br/>17 So the report I have, which is<br/>18 marked as Exhibit 2, is the only one that is<br/>19 that one that I have signed and --<br/>20 MR. ANDERSON: That's -- just<br/>21 answer the question.<br/>22 BY MR. SNELL:<br/>23 Q. My question was, besides Drs.<br/>24 Weber and Klinge, what other deposition<br/>25 testimony have you reviewed of the</p>  |

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| <p style="text-align: right;">Page 65</p> <p>1 plaintiffs' experts?</p> <p>2 A. That would be it.</p> <p>3 Q. When did you review Dr. Klinge's</p> <p>4 deposition testimony?</p> <p>5 A. Oh, I can't recall. After --</p> <p>6 after it became available at some point in</p> <p>7 time, but I reviewed many in different</p> <p>8 days. I can't recall.</p> <p>9 MR. SNELL: Off the record for</p> <p>10 a second.</p> <p>11 (Discussion off the record.)</p> <p>12 BY MR. SNELL:</p> <p>13 Q. While we're talking about</p> <p>14 reports, let's just make sure I have a full</p> <p>15 list of all the reports you've authored in</p> <p>16 this case.</p> <p>17 The first I have is your June</p> <p>18 15th, 2012, general report in this matter;</p> <p>19 is that correct?</p> <p>20 A. Correct. Yes.</p> <p>21 Q. And on November 8th, 2012, it was</p> <p>22 served on defense counsel and it included</p> <p>23 annotations or citations; is that correct?</p> <p>24 A. Correct.</p> <p>25 Q. Are there any changes besides</p>   | <p style="text-align: right;">Page 66</p> <p>1 adding in the annotations and citations to</p> <p>2 that June 15th, 2012, general report?</p> <p>3 A. Absolutely none that I'm aware</p> <p>4 of.</p> <p>5 Q. And in the June 15th, 2012,</p> <p>6 general report you did not issue any</p> <p>7 case-specific opinions with regard to Linda</p> <p>8 Gross; correct?</p> <p>9 A. That is correct.</p> <p>10 Q. And in your June 15th, 2012,</p> <p>11 general report you did not issue any</p> <p>12 case-specific opinions regarding Pamela</p> <p>13 Wicker; correct?</p> <p>14 A. Correct.</p> <p>15 MR. SNELL: For the record, the</p> <p>16 defense has filed a Motion to exclude the</p> <p>17 November 7th, 2012, report issued by</p> <p>18 Dr. Elliott.</p> <p>19 BY MR. SNELL:</p> <p>20 Q. And, Dr. Elliott, this November</p> <p>21 7th, 2012, report which we marked as Elliott</p> <p>22 Exhibit Number 2, this is the first time</p> <p>23 you've issued opinions with regard to Linda</p> <p>24 Gross; correct?</p> <p>25 A. Correct.</p>  |
| <p style="text-align: right;">Page 67</p> <p>1 Q. This is the first time you've</p> <p>2 issued case-specific opinions with regard to</p> <p>3 Mrs. Wicker; correct?</p> <p>4 A. Correct.</p> <p>5 Q. Before issuing your June 15th,</p> <p>6 2012, general report you did not look at any</p> <p>7 medical records for Mrs. Gross; correct?</p> <p>8 A. To my knowledge, no.</p> <p>9 Q. Am I correct?</p> <p>10 A. To the best of my knowledge, no,</p> <p>11 I did not review any records of Miss Gross.</p> <p>12 Q. And before issuing your June</p> <p>13 15th, 2012, general report you did not issue</p> <p>14 -- sorry -- you did not review any medical</p> <p>15 records involving Pamela Wicker; correct?</p> <p>16 A. To the best of my knowledge, you</p> <p>17 are correct, I did not review any.</p> <p>18 Q. Prior to issuing your June 15th,</p> <p>19 2012, general report you did not review any</p> <p>20 of the depositions in the Linda Gross case;</p> <p>21 correct?</p> <p>22 A. Yeah. To the best of my</p> <p>23 knowledge, no, I did not review any.</p> <p>24 Q. And prior to issuing your June</p> <p>25 15th, 2012, general report you did not</p> | <p style="text-align: right;">Page 68</p> <p>1 review any depositions in the Pamela Wicker</p> <p>2 case; correct?</p> <p>3 A. Correct.</p> <p>4 Q. Prior to issuing your June 15th,</p> <p>5 2012, general report you did not review any</p> <p>6 radiology on Linda Gross; correct?</p> <p>7 A. Correct.</p> <p>8 Q. Prior to issuing your June 15th,</p> <p>9 2012, general report you did not review any</p> <p>10 urologic studies on Linda Gross; correct?</p> <p>11 A. Correct.</p> <p>12 Q. Prior to issuing your June 15th,</p> <p>13 2012, general report you did not review any</p> <p>14 radiology on Pamela Wicker; correct?</p> <p>15 A. Correct.</p> <p>16 Q. Prior to issuing your June 15th,</p> <p>17 2012, general report you did not review any</p> <p>18 urologic studies on Pamela Wicker; correct?</p> <p>19 A. Correct.</p> <p>20 Q. The third and last report that I</p> <p>21 have is dated November 14th, 2012, which is</p> <p>22 a letter by you addressed to Mr. Anderson</p> <p>23 stating, I have reviewed the following</p> <p>24 documents, which further support my opinions</p> <p>25 in this case as set forth in my original</p> |

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| <p style="text-align: right;">Page 69</p> <p>1 report.</p> <p>2 A. May I see it?</p> <p>3 Q. Sure.</p> <p>4 MR. ANDERSON: For the record,</p> <p>5 I'll just stipulate that I sent that because</p> <p>6 I saw that we had inadvertently left two</p> <p>7 off, which is what the cover E-mail said</p> <p>8 when I sent it to you guys yesterday.</p> <p>9 THE WITNESS: So your question</p> <p>10 -- I -- I'm sorry. What's your question?</p> <p>11 BY MR. SNELL:</p> <p>12 Q. Is this the third and last report</p> <p>13 or supplement that you have?</p> <p>14 A. Yes.</p> <p>15 Q. When you say, I have reviewed the</p> <p>16 following documents which further support my</p> <p>17 opinions in this case as set forth in my</p> <p>18 original report, when you say "original</p> <p>19 report," do you mean your June 15th, 2012,</p> <p>20 report?</p> <p>21 A. Yes.</p> <p>22 Q. I'm going to hand you what's been</p> <p>23 marked as Exhibit Number 1. It's your</p> <p>24 Notice of Deposition.</p> <p>25 Have you ever seen that</p> | <p style="text-align: right;">Page 70</p> <p>1 document before?</p> <p>2 A. No, I have not.</p> <p>3 Q. Can you turn towards the back,</p> <p>4 the appendix? It asks that you bring</p> <p>5 certain materials to the deposition.</p> <p>6 A. What page are we on? Six?</p> <p>7 Q. Let me get there and follow with</p> <p>8 you.</p> <p>9 Let me take a look at it,</p> <p>10 Doctor.</p> <p>11 A. (Witness complies.)</p> <p>12 Q. Under all this paper, I seem to</p> <p>13 have lost mine.</p> <p>14 So you're correct, Doctor, Page</p> <p>15 6 through 9 asks that you bring certain</p> <p>16 materials to the deposition.</p> <p>17 MR. ANDERSON: Well, just to</p> <p>18 clarify, I have to object, that it's sent to</p> <p>19 me, so it asks me to bring. And he's</p> <p>20 already said that he didn't see this.</p> <p>21 MR. SNELL: Besides the reports</p> <p>22 and the compensation information, are there</p> <p>23 any other materials that are forthcoming in</p> <p>24 response to the Notice of Deposition?</p> <p>25 MR. ANDERSON: No.</p>   |
| <p style="text-align: right;">Page 71</p> <p>1 MR. SNELL: And what's the</p> <p>2 basis for the non-production?</p> <p>3 MR. ANDERSON: It's my</p> <p>4 understanding that everything that we are</p> <p>5 required to produce has been produced.</p> <p>6 BY MR. SNELL:</p> <p>7 Q. Doctor, I'd like to -- you can</p> <p>8 set that aside.</p> <p>9 I'd like to talk to you about</p> <p>10 your background. You did your medical</p> <p>11 school at Loma Linda?</p> <p>12 A. Correct.</p> <p>13 Q. And you graduated in 1993?</p> <p>14 A. Yes.</p> <p>15 Q. And during your medical schooling</p> <p>16 did you do a rotation in obstetrics and</p> <p>17 gynecology?</p> <p>18 A. Yes.</p> <p>19 Q. In your medical school training</p> <p>20 at Loma Linda did you learn human anatomy?</p> <p>21 A. Yes.</p> <p>22 Q. In your medical school training</p> <p>23 did you learn the anatomy of the female</p> <p>24 pelvic floor?</p> <p>25 A. In a superficial manner, yes.</p>  | <p style="text-align: right;">Page 72</p> <p>1 Q. Did you learn the location of the</p> <p>2 nerves in the pelvic floor in your medical</p> <p>3 school training?</p> <p>4 A. In a very general way, yes.</p> <p>5 Q. Did you learn the location of the</p> <p>6 blood vessels in the pelvic floor during</p> <p>7 your medical school training?</p> <p>8 A. Again, in a very general way,</p> <p>9 yes.</p> <p>10 Q. Were you taught about pelvic</p> <p>11 organ prolapse during your OB-GYN rotation</p> <p>12 during medical school?</p> <p>13 A. I don't recall.</p> <p>14 Q. What do you recall about the</p> <p>15 subjects you were taught on in your OB-GYN</p> <p>16 rotation during medical school?</p> <p>17 A. That giving heroin to a mother</p> <p>18 that's giving birth is not a good thing. We</p> <p>19 saw that all the time at the county</p> <p>20 hospital. So if you want a stark memory,</p> <p>21 that's it.</p> <p>22 The OB-GYN rotation, depending</p> <p>23 upon where you were, would also divide up</p> <p>24 with peds, so it was not a true specific.</p> <p>25 So we just followed the babies afterwards on</p> |

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| <p style="text-align: right;">Page 73</p> <p>1 heroin and things.</p> <p>2 Then I did a GYN-ONC, which is</p> <p>3 a GYN cancer rotation, two weeks. And so</p> <p>4 that was dealing with ovarian, uterine,</p> <p>5 vaginal cancers.</p> <p>6 Q. Did you see any surgeries --</p> <p>7 strike that.</p> <p>8 Did you see any gynecologic</p> <p>9 surgeries during your medical school?</p> <p>10 A. Yes.</p> <p>11 Q. Which were they?</p> <p>12 A. Specifically limited to, again,</p> <p>13 GYN-ONC just because -- hysterectomies from</p> <p>14 malignancies, debulking procedures for</p> <p>15 malignancies just because that's the</p> <p>16 rotation I was assigned to. Others would</p> <p>17 have different experiences than I.</p> <p>18 Q. Did you see any C-sections</p> <p>19 performed?</p> <p>20 A. In the OB, but that was not GYN.</p> <p>21 Q. Did you see episiotomies</p> <p>22 performed?</p> <p>23 A. Yes.</p> <p>24 Q. Did you see surgeries for stress</p> <p>25 urinary incontinence performed during</p>   | <p style="text-align: right;">Page 74</p> <p>1 medical school?</p> <p>2 A. To the best of my knowledge,</p> <p>3 unfortunately, we're going back 20-some</p> <p>4 years now, I do not recall any</p> <p>5 anti-incontinence procedures in OB-GYN -- or</p> <p>6 it would be GYN, actually -- or urology.</p> <p>7 Q. Did you see any prolapse surgical</p> <p>8 procedures during your medical school?</p> <p>9 A. I don't recall any, no.</p> <p>10 Q. You then did an internship in</p> <p>11 general surgery at Mayo in 1994?</p> <p>12 A. '93 to '94, yeah. One year.</p> <p>13 Q. How did you come to choose to do</p> <p>14 that general surgery internship?</p> <p>15 A. I didn't have a choice. Every</p> <p>16 urology residency you have to do general</p> <p>17 surgery. You either do one or two years or</p> <p>18 some of them will do one and a half years.</p> <p>19 At Mayo it's one year. So, again, there was</p> <p>20 no choice in the matter.</p> <p>21 Q. And what did that internship</p> <p>22 consist of? What types of surgeries did you</p> <p>23 see or were you involved in?</p> <p>24 A. You do rotations varying between</p> <p>25 6 to 12 weeks in vascular, colorectal,</p> |
| <p style="text-align: right;">Page 75</p> <p>1 transplant, trauma, and there's something</p> <p>2 else. There was one more rotation in there.</p> <p>3 I can't recall. There's one more rotation.</p> <p>4 It was basically just covering the entire</p> <p>5 abdomen.</p> <p>6 Q. And did you perform surgeries</p> <p>7 during your internship or were you just</p> <p>8 watching or helping out in some manner?</p> <p>9 A. You're an assistant. You may</p> <p>10 perform -- put in some stitches, but you're</p> <p>11 not doing much.</p> <p>12 Q. During your internship in general</p> <p>13 surgery did you see any hernia surgeries?</p> <p>14 A. Yes.</p> <p>15 Q. Did you help assist in any</p> <p>16 hernia --</p> <p>17 A. Yes.</p> <p>18 Q. -- hernia surgeries?</p> <p>19 A. Excuse me. Yes.</p> <p>20 Q. Did these hernia surgeries</p> <p>21 involve the use of mesh?</p> <p>22 A. To the best of my recollection,</p> <p>23 no. And I think that's fairly accurate. It</p> <p>24 was an older general surgeon who did not</p> <p>25 believe in meshes, actually.</p> | <p style="text-align: right;">Page 76</p> <p>1 Q. Did you see or were you involved</p> <p>2 in any hernia surgeries that involved mesh</p> <p>3 during your internship?</p> <p>4 A. I don't recall any.</p> <p>5 Q. Did you see or were you involved</p> <p>6 in any prolapse surgeries during that</p> <p>7 internship?</p> <p>8 A. For pelvic organ prolapse?</p> <p>9 Q. Yes.</p> <p>10 A. No.</p> <p>11 Q. You hesitated there for a second.</p> <p>12 Was there some type of other</p> <p>13 prolapse procedure that you saw during your</p> <p>14 internship?</p> <p>15 A. Well, there's, you know, mitral</p> <p>16 valve prolapse, diaphragmatic.</p> <p>17 Prolapse is just a generic</p> <p>18 term, so I just wanted to make sure I was</p> <p>19 clear what you were talking about.</p> <p>20 Q. That's fair. Thank you for</p> <p>21 clarifying that.</p> <p>22 I'm not here talking about</p> <p>23 mitral valve prolapse or any other valve</p> <p>24 prolapse. When I say prolapse today and</p> <p>25 tomorrow, I just want you to assume that I'm</p>   |



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| <p style="text-align: right;">Page 77</p> <p>1 talking about pelvic organ prolapse. Okay?</p> <p>2 A. I'll still ask for clarification.</p> <p>3 Q. That's fine. But --</p> <p>4 A. Sure.</p> <p>5 Q. -- I'm going to tell you I'm not</p> <p>6 getting into mitral valves.</p> <p>7 Did you see any surgeries for</p> <p>8 urinary incontinence during your internship?</p> <p>9 A. Male or female?</p> <p>10 Q. Either.</p> <p>11 A. Probably -- probably male,</p> <p>12 because you do actually do a six-week</p> <p>13 urology rotation. I can't recall exactly.</p> <p>14 The staff I worked with did deal with male</p> <p>15 incontinence.</p> <p>16 Q. During your internship in general</p> <p>17 surgery were you trained on anatomy?</p> <p>18 A. Yes.</p> <p>19 Q. And you were trained on that</p> <p>20 anatomy as it has bearing upon performing</p> <p>21 surgical procedures in those areas?</p> <p>22 A. Correct.</p> <p>23 Q. During your internship were you</p> <p>24 trained on the location of nerves in the</p> <p>25 pelvic floor?</p> | <p style="text-align: right;">Page 78</p> <p>1 A. Not that I recall, no.</p> <p>2 Q. During your internship were you</p> <p>3 trained on the location of blood vessels in</p> <p>4 the pelvic floor?</p> <p>5 A. Yes.</p> <p>6 Q. During your internship were you</p> <p>7 trained on the location of ligaments and</p> <p>8 connective tissues within the pelvic floor?</p> <p>9 A. Yes.</p> <p>10 Q. For example, were you trained on</p> <p>11 the location of the sacrospinous ligament</p> <p>12 during your internship?</p> <p>13 A. I can't state that specific</p> <p>14 ligament, but in colorectal surgery I was</p> <p>15 working in the same general region, and the</p> <p>16 aggressive surgeries with malignancies,</p> <p>17 those ligaments in that general region would</p> <p>18 have been exposed and shown.</p> <p>19 Q. And that would include the --</p> <p>20 A. Or --</p> <p>21 Q. I'm sorry. I didn't mean to cut</p> <p>22 you off. Were you going to say something</p> <p>23 else?</p> <p>24 A. I was. I forgot what I was going</p> <p>25 to say, though.</p>   |
| <p style="text-align: right;">Page 79</p> <p>1 Q. I apologize.</p> <p>2 Would that have included the</p> <p>3 sacrospinous ligament?</p> <p>4 A. Yes.</p> <p>5 Q. Would that have included the</p> <p>6 arcus tendineus?</p> <p>7 A. Most likely, not, because that</p> <p>8 would be more superficial. Colorectal</p> <p>9 surgeons would be working deeper in the</p> <p>10 pelvis.</p> <p>11 Q. Would you have been trained on</p> <p>12 the location of the arcus tendineus during</p> <p>13 your medical school training, then?</p> <p>14 A. It would have been shown and</p> <p>15 discussed in anatomy lab, cadavaric labs,</p> <p>16 and probably in the GYN-ONC rotation too.</p> <p>17 Q. Would the location of the</p> <p>18 sacrospinous ligament also have been shown</p> <p>19 and discussed during the cadaver labs during</p> <p>20 your medical school training?</p> <p>21 A. Yes.</p> <p>22 Q. You then performed a residency in</p> <p>23 urologic surgery at Mayo from 1994 to 1999;</p> <p>24 correct?</p> <p>25 A. Correct.</p>            | <p style="text-align: right;">Page 80</p> <p>1 Q. Is that a standard five-year</p> <p>2 program or did -- why did it take five</p> <p>3 years?</p> <p>4 A. Well, the residency, urology</p> <p>5 residency, when I did it, was a total of six</p> <p>6 years, so from start to finish is six years.</p> <p>7 Some programs will do one or</p> <p>8 two or one and a half years of general</p> <p>9 surgery. So it just happens to be at Mayo</p> <p>10 you do one year general surgery, five years</p> <p>11 of urology. So there would be some minor</p> <p>12 variation of it around the country.</p> <p>13 Q. Okay.</p> <p>14 A. But it's all six years. Now it's</p> <p>15 down to five years, actually.</p> <p>16 Q. And during your urologic surgery</p> <p>17 residency did you see prolapse surgeries?</p> <p>18 A. In urology? Yes.</p> <p>19 Q. During your urologic surgical</p> <p>20 residency at Mayo from 1994 to 1999 did you</p> <p>21 also see urinary incontinence surgeries?</p> <p>22 A. Yes.</p> <p>23 Q. Now, during your urologic surgery</p> <p>24 residency, with regard to urinary</p> <p>25 incontinence procedures, how much assistance</p> |

20 (Pages 77 to 80)

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| <p style="text-align: right;">Page 81</p> <p>1 would you give during those surgeries?</p> <p>2 A. That depends upon your level of</p> <p>3 training. At times, you will do minimal, at</p> <p>4 times, you'll do nearly the entire case.</p> <p>5 That depends upon your skill level and the</p> <p>6 surgeon you happen to be working with.</p> <p>7 Q. For you --</p> <p>8 A. That would depend, because I</p> <p>9 can't answer the question specifically.</p> <p>10 Because if I'm in the second year, I'm going</p> <p>11 to do a little bit; if I'm a chief, six</p> <p>12 years, I will do a lot or essentially the</p> <p>13 entire case with supervision, obviously.</p> <p>14 Q. So as you got more and more</p> <p>15 experience, you were allowed to do more and</p> <p>16 more of the procedure.</p> <p>17 A. As your experience and skill</p> <p>18 level advanced, you did more.</p> <p>19 Q. Now, with prolapse surgeries</p> <p>20 during your residency does the same hold</p> <p>21 true, basically, that as your experience and</p> <p>22 skill level increase, you are able to</p> <p>23 perform more and more of the case?</p> <p>24 A. Correct.</p> <p>25 Q. What prolapse surgeries did you</p> | <p style="text-align: right;">Page 82</p> <p>1 observe or participate in during your</p> <p>2 urologic surgery residency between 1994 and</p> <p>3 1999?</p> <p>4 A. Anterior colporrhaphy, posterior</p> <p>5 colporrhaphy, McCall's culdoplasty or Mayo</p> <p>6 culdoplasty. There's going to be subtle</p> <p>7 variations between those two. That should</p> <p>8 be it.</p> <p>9 Q. So during your residency you</p> <p>10 didn't observe or perform any sacrospinous</p> <p>11 ligament fixations?</p> <p>12 A. No.</p> <p>13 Q. During your residency you didn't</p> <p>14 perform any sacrocolpopexies?</p> <p>15 A. No.</p> <p>16 Q. Do you know why you didn't</p> <p>17 perform any sacrocolpopexies at Mayo during</p> <p>18 your residency?</p> <p>19 A. During my training, the female</p> <p>20 urology was somewhat in its infancy. The</p> <p>21 staff was not trained in that so did not do</p> <p>22 that, and they went to the GYN department to</p> <p>23 do those.</p> <p>24 Q. During your residency did you</p> <p>25 have occasion to go to the GYN group and</p> |
| <p style="text-align: right;">Page 83</p> <p>1 observe those surgeries for prolapse?</p> <p>2 A. I don't recall ever doing that.</p> <p>3 Q. During your residency what stress</p> <p>4 urinary incontinence procedures were you</p> <p>5 trained on?</p> <p>6 A. Artificial urinary sphincter, Raz</p> <p>7 urethropexy, and autologous pubovaginal</p> <p>8 sling, cadaveric pubovaginal sling.</p> <p>9 Q. During your residency can you</p> <p>10 estimate the number of colporrhaphies that</p> <p>11 you participated in?</p> <p>12 A. Yeah. My female urology rotation</p> <p>13 was 1997 so I'll only give you a rough</p> <p>14 estimate. Maybe ten. And you asked,</p> <p>15 actually anterior?</p> <p>16 Q. I just asked for either, for</p> <p>17 either anterior or posterior.</p> <p>18 A. Oh. Combined, roughly ten</p> <p>19 anterior and ten posterior.</p> <p>20 Q. How about the number of McCall's</p> <p>21 culdoplasty or Mayo culdoplasty, as you</p> <p>22 termed it?</p> <p>23 A. It would be probably two or</p> <p>24 three.</p> <p>25 Q. Was there a particular surgeon</p>   | <p style="text-align: right;">Page 84</p> <p>1 who trained you on the prolapse surgeries</p> <p>2 during your residency?</p> <p>3 A. Dr. Lightner. Dr. Deborah</p> <p>4 Lightner.</p> <p>5 Q. How do you spell her last name?</p> <p>6 A. It's Lightner.</p> <p>7 Q. Okay.</p> <p>8 A. L-I-G-H-T-N-E-R.</p> <p>9 Q. And then you went and did your</p> <p>10 fellowship at Baylor that we earlier</p> <p>11 discussed with regard to neurology,</p> <p>12 urodynamics and voiding dysfunction?</p> <p>13 A. Correct.</p> <p>14 Q. Why did you seek to do that</p> <p>15 fellowship?</p> <p>16 A. That was -- I was asked to come</p> <p>17 back on staff, and so the chair and</p> <p>18 executive committee selected the program for</p> <p>19 me to go to which they would feel would give</p> <p>20 me the best education.</p> <p>21 Q. Can you tell me what that course</p> <p>22 -- I'm sorry -- that fellowship course</p> <p>23 consisted of?</p> <p>24 A. Uh-huh. It is voiding</p> <p>25 dysfunction, urinary incontinence with a</p>  |



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| <p style="text-align: right;">Page 85</p> <p>1 Dr. Tim Boone, B-O-O-N-E, and where he<br/>2 managed the voiding dysfunction,<br/>3 incontinence and neuroanatomy. He was a<br/>4 neuro Ph.D., M.D. And then all the<br/>5 prolapses I did with the GYNs while he<br/>6 managed the incontinence. That's<br/>7 specifically why the program was chosen for<br/>8 me.<br/>9 Q. And the prolapse surgeries you<br/>10 did during your fellowship were what?<br/>11 A. Well, we -- we -- we did them<br/>12 all: Anterior/posterior colporrhaphies, the<br/>13 McCall's culdoplasty, sacrospinous fixation,<br/>14 abdominal sacrocolpopexy, perineorrhaphies,<br/>15 colpocleisis.<br/>16 Q. Can you spell those last two for<br/>17 the court reporter?<br/>18 A. Colpocleisis is a tough one.<br/>19 C-O-L-P-O-C-E-I-S. And that's not even<br/>20 going to be correct, actually.<br/>21 MR. ANDERSON: C-L-E-I-S-I-S.<br/>22 THE WITNESS: Do you know what?<br/>23 It's a tough one. There's E's and I's<br/>24 everyone. That's why we just say<br/>25 colpocleisis, say it fast and --</p> | <p style="text-align: right;">Page 86</p> <p>1 MR. RESTAINO: And write it<br/>2 sloppily.<br/>3 THE WITNESS: And write it<br/>4 sloppily, yeah.<br/>5 It's a closure of the vagina,<br/>6 essentially.<br/>7 BY MR. SNELL:<br/>8 Q. And the perineo -- I missed it.<br/>9 A. Oh, perineorrhaphy. I'd have to<br/>10 write that one out to be able to --<br/>11 Q. Well, what did that consist of?<br/>12 You don't have to write it out.<br/>13 A. That is a rebuilding of the<br/>14 peroneal body, usually which has been --<br/>15 destroyed is a harsh term -- attenuated,<br/>16 thinned out due to multiple childbirths. So<br/>17 you rebuild it. It's right at the introitus<br/>18 of the vagina on the posterior aspect.<br/>19 Q. And who was the surgeon who<br/>20 trained you on these prolapse surgeries?<br/>21 A. Multiple surgeons because I<br/>22 worked with the GYN department at Baylor. I<br/>23 worked specifically with the chair, who I<br/>24 can't recall his name, and then another<br/>25 surgeon at Texas Woman's Hospital, again,</p> |
| <p style="text-align: right;">Page 87</p> <p>1 who I cannot recall his name top of my head.<br/>2 Dr. Cone. Excuse me. I don't know his<br/>3 first name. Who he is the one who mainly<br/>4 taught me the sacrocolpopexy. But there<br/>5 were other surgeons in there.<br/>6 Q. And during your fellowship<br/>7 training did you have training on the<br/>8 anatomy of the pelvic floor?<br/>9 A. Yes.<br/>10 Q. Was that in-depth training?<br/>11 A. I would say very much so, yes.<br/>12 Q. Did you have training on the<br/>13 nerves in the pelvic floor?<br/>14 A. Yes.<br/>15 Q. Did you have training on the<br/>16 blood vessels in the pelvic floor?<br/>17 A. Yes.<br/>18 Q. Did you have training on the<br/>19 ligaments and supporting structures in the<br/>20 pelvic floor?<br/>21 A. Yes.<br/>22 Q. How long was that fellowship?<br/>23 A. 12 months.<br/>24 Q. Did you also perform stress<br/>25 urinary incontinence surgeries?</p>  | <p style="text-align: right;">Page 88</p> <p>1 A. Yes.<br/>2 Q. Which ones?<br/>3 A. Autologous pubovaginal sling,<br/>4 cadaveric pubovaginal sling, artificial<br/>5 urinary sphincter.<br/>6 Q. During your fellowship, when you<br/>7 were involved in the prolapse surgeries,<br/>8 were you the lead surgeon or were you, you<br/>9 know, second to one of the doctors which you<br/>10 identified?<br/>11 A. The staff would be the lead<br/>12 surgeon technically, primarily surgeon;<br/>13 however, I would be the one doing the<br/>14 surgery with his or her assistance.<br/>15 Q. Did you have patients fill out<br/>16 informed consents during your fellowship?<br/>17 A. Yes.<br/>18 Q. You agree that all surgeries have<br/>19 risks?<br/>20 A. Yes.<br/>21 Q. All pelvic organ prolapse<br/>22 surgeries have risks?<br/>23 A. Yes.<br/>24 Q. The risk with hysterectomies;<br/>25 correct?</p>   |

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| <p style="text-align: right;">Page 89</p> <p>1 A. Yeah. I don't perform<br/>2 hysterectomies, but yes.<br/>3 Q. You have been trained and you are<br/>4 aware as a medical physician that there are<br/>5 risks attendant to hysterectomy.<br/>6 A. Yes.<br/>7 Q. There's risks with episiotomies?<br/>8 A. Yes.<br/>9 Q. There's risks with Caesarean<br/>10 section surgery?<br/>11 A. Yes.<br/>12 Q. Is it correct that all prolapse<br/>13 surgeries have a risk of bleeding?<br/>14 A. Yes.<br/>15 Q. All prolapse surgeries have a<br/>16 risk of infection?<br/>17 A. Yes.<br/>18 Q. All prolapse surgeries have a<br/>19 risk to injury to other organs?<br/>20 A. Yes.<br/>21 Q. All prolapse surgeries have a<br/>22 risk to nerves?<br/>23 A. Yes.<br/>24 Q. All prolapse surgeries have a<br/>25 risk of pain; correct?</p>   | <p style="text-align: right;">Page 90</p> <p>1 A. Correct.<br/>2 Q. All prolapse surgeries have a<br/>3 potential risk of dyspareunia; correct?<br/>4 A. Yes.<br/>5 Q. All prolapse surgeries have a<br/>6 potential risk of pelvic pain; correct?<br/>7 A. Yes.<br/>8 Q. What was the first mesh or graft<br/>9 material you ever used during your training?<br/>10 A. The SPARC by AMS.<br/>11 Q. And when was that?<br/>12 A. Roughly 2002.<br/>13 I'm going to have to actually<br/>14 after reading this go back and correct my<br/>15 answer because you said first mesh or graft<br/>16 material you ever used during your training.<br/>17 I understood the question as incontinence.<br/>18 During my training, we used<br/>19 Gore-Tex on sacrocolpopexies. That's what I<br/>20 was originally trained with. So I<br/>21 misunderstood your question.<br/>22 Q. That's okay.<br/>23 The SPARC was for urinary<br/>24 incontinence; correct?<br/>25 A. Correct.</p>   |
| <p style="text-align: right;">Page 91</p> <p>1 Q. First time you performed a<br/>2 sacrocolpopexy was during your fellowship at<br/>3 Baylor; correct?<br/>4 A. Correct. Yes.<br/>5 Q. And who trained you on performing<br/>6 the sacrocolpopexy with the Gore-Tex mesh?<br/>7 A. Dr. Cone, C-O-N-E, at Texas<br/>8 Medical Center -- Texas Woman's Hospital.<br/>9 Q. And the sacrocolpopexy that you<br/>10 -- strike that.<br/>11 Did you perform a<br/>12 sacrocolpopexy with Gore-Tex mesh during<br/>13 your fellowship?<br/>14 A. Yes.<br/>15 Q. The sacrocolpopexy you performed<br/>16 with Gore-Tex mesh during your fellowship,<br/>17 was that to treat prolapse?<br/>18 A. Correct.<br/>19 Q. And you performed the<br/>20 sacrocolpopexy with Gore-Tex mesh to treat<br/>21 prolapse between 1999 and 2000; correct?<br/>22 A. 1999 until roughly 2001, 2002. I<br/>23 don't remember when I made the switchover.<br/>24 Q. I'm not going that far yet. And<br/>25 let me back up.</p> | <p style="text-align: right;">Page 92</p> <p>1 The sacrocolpopexy procedures<br/>2 you performed with Gore-Tex mesh to treat<br/>3 prolapse during your fellowship was between<br/>4 1999 and 2000; correct?<br/>5 A. Correct. To June -- June 31st --<br/>6 June 30th of 2000. That's when my<br/>7 fellowship ended.<br/>8 Q. And when did it begin?<br/>9 A. July 1st of '99.<br/>10 Those are going to be rough<br/>11 dates but those are pretty accurate.<br/>12 Q. Sound pretty exact to me.<br/>13 A. You remember the year.<br/>14 Q. Did you use any other mesh<br/>15 products besides the Gore-Tex mesh during<br/>16 your fellowship?<br/>17 A. No. During the fellowship, the<br/>18 only mesh that I can recall using or<br/>19 synthetic agent was the Gore-Tex.<br/>20 Q. And why did you use Gore-Tex mesh<br/>21 during the sacrocolpopexies performed during<br/>22 your fellowship to treat prolapse?<br/>23 A. Because that's what the staff<br/>24 chose.<br/>25 Q. In 1999 and 2000 during your</p> |

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| <p style="text-align: right;">Page 93</p> <p>1 fellowship, when you performed<br/>2 sacrocolpopexies with Gore-Tex mesh, you<br/>3 were aware that there was a potential risk<br/>4 of mesh exposure; correct?<br/>5 A. Yes.<br/>6 Q. And you were aware during that<br/>7 same time period of your fellowship that<br/>8 mesh exposure with Gore-Tex mesh performed<br/>9 during sacrocolpopexy could lead to the need<br/>10 for re-operation.<br/>11 A. Yes.<br/>12 Q. And you are aware in 1999 and<br/>13 2000 that any time you place a synthetic<br/>14 mesh, be it Gore-Tex or another mesh<br/>15 material, that there is a potential risk of<br/>16 mesh exposure; correct?<br/>17 A. Yes, you're right.<br/>18 Q. Do you guarantee success in the<br/>19 surgeries you perform with your patients?<br/>20 A. No.<br/>21 Q. Why is that?<br/>22 A. Because I cannot guarantee<br/>23 success.<br/>24 Q. Can any prolapse procedure be<br/>25 guaranteed to be performed 100 percent</p>                                 | <p style="text-align: right;">Page 94</p> <p>1 successfully?<br/>2 A. No.<br/>3 Q. Have you ever guaranteed such<br/>4 performance?<br/>5 A. As I said, no.<br/>6 Q. Have you ever guaranteed patients<br/>7 that they will not have complications in<br/>8 association with a prolapse surgery?<br/>9 A. No.<br/>10 Q. Why is that?<br/>11 A. Because you cannot guarantee it.<br/>12 Q. And as a surgeon, you know that<br/>13 any time you perform a prolapse surgery,<br/>14 re-operation is a potential risk going into<br/>15 it; correct?<br/>16 A. That is correct.<br/>17 Q. And that can be a re-operation<br/>18 because of a failure of the prolapse surgery<br/>19 in performing its intended job to hold the<br/>20 prolapse; correct?<br/>21 A. I -- I assume you're asking<br/>22 because of failure reoccurrence? Yes.<br/>23 Q. And there can also be need for<br/>24 re-operation because a complication has<br/>25 occurred which necessitates further surgical</p>                 |
| <p style="text-align: right;">Page 95</p> <p>1 treatment; correct?<br/>2 A. That is correct.<br/>3 Q. And you learned that back during<br/>4 your internship in general surgery; correct?<br/>5 MR. ANDERSON: Objection.<br/>6 THE WITNESS: Well, no.<br/>7 BY MR. SNELL:<br/>8 Q. The surgeries will require --<br/>9 A. Well, you --<br/>10 Q. -- in some cases re-operation.<br/>11 That's my question.<br/>12 A. Surgeries will require -- yes. I<br/>13 thought your original question was<br/>14 pertaining to prolapse, and I didn't learn<br/>15 that during my internship year. But all<br/>16 surgeries have the inherent risk of<br/>17 re-operation or complications.<br/>18 Q. Now, during your fellowship, when<br/>19 you performed the sacrocolpopexy with the<br/>20 Gore-Tex mesh, you knew that mesh<br/>21 contraction was a potential risk; correct?<br/>22 A. I would say actually I did not<br/>23 know that.<br/>24 Q. When did you first become aware<br/>25 that mesh contraction could potentially</p> | <p style="text-align: right;">Page 96</p> <p>1 occur with the placement of a mesh?<br/>2 MR. ANDERSON: Objection.<br/>3 Go ahead.<br/>4 THE WITNESS: Probably<br/>5 beginning in 2004, 2005.<br/>6 BY MR. SNELL:<br/>7 Q. So before 2004, you had not read<br/>8 any medical literature that talked about the<br/>9 potential risk of mesh contraction?<br/>10 A. That is correct.<br/>11 Q. How did you become aware of the<br/>12 potential risk of mesh contraction in 2004<br/>13 or 2005?<br/>14 A. Through some of the studies that<br/>15 I'd performed along with residents on the<br/>16 animal lab -- I'm sorry. Animal model.<br/>17 Q. What type of mesh did you use<br/>18 there?<br/>19 A. It was a polypropylene mesh.<br/>20 Q. And was there mesh contraction<br/>21 with the polypropylene mesh that you studied<br/>22 in 2004 to 2005?<br/>23 A. We saw increased fibrosis. We<br/>24 did not call it contraction because we<br/>25 didn't understand it at that point in time.</p> |

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| <p style="text-align: right;">Page 97</p> <p>1 Looking back at it, we realized there was<br/> 2 contraction, but we called it fibrosis in<br/> 3 our manuscripts.<br/> 4 Q. So when you did these studies --<br/> 5 what animal model was this?<br/> 6 A. Rabbit.<br/> 7 Q. Rabbit?<br/> 8 When you did these animal<br/> 9 studies in the rabbit model back in 2004 or<br/> 10 2005, you saw fibrosis with the<br/> 11 polypropylene mesh?<br/> 12 A. Correct.<br/> 13 Q. And in these rabbit studies in<br/> 14 2004 or 2005 that involved polypropylene<br/> 15 mesh you didn't call what you saw mesh<br/> 16 contraction; correct?<br/> 17 A. Correct.<br/> 18 Q. As you sit here today as an<br/> 19 expert for the plaintiffs, it's your<br/> 20 testimony that now you believe what you saw<br/> 21 back then was mesh contraction?<br/> 22 A. Correct.<br/> 23 Q. Did you ever do any publications<br/> 24 on these rabbit studies?<br/> 25 A. Yes. Two.</p>  | <p style="text-align: right;">Page 98</p> <p>1 Q. Did you ever write -- what<br/> 2 journal were they published in?<br/> 3 A. I'd have to look. General -- I<br/> 4 would suspect General Urology and Urology.<br/> 5 It's in my CV.<br/> 6 Q. Did you ever issue a letter to<br/> 7 the editor or an errata to your studies up<br/> 8 to today, as we sit here today, to say what<br/> 9 we previously described as fibrosis I now<br/> 10 believe to be mesh contraction?<br/> 11 A. No.<br/> 12 Q. Why not?<br/> 13 A. Others have done it for me.<br/> 14 Q. Who has done it for you with<br/> 15 regard to those two articles?<br/> 16 A. Dr. Chris Winters, president of<br/> 17 the SUFU, Society of Urodynamics and Female<br/> 18 Urology, goes around the nation speaking<br/> 19 about, quoting that paper as one of the<br/> 20 earliest manuscripts talking about fibrosis<br/> 21 and contraction.<br/> 22 Q. He talks about it with regard to<br/> 23 fibrosis and contraction?<br/> 24 A. Uh-huh. Uh-huh. Yes.<br/> 25 MR. ANDERSON: Is that yes?</p> |
| <p style="text-align: right;">Page 99</p> <p>1 THE WITNESS: Yes. Yes.<br/> 2 Correct.<br/> 3 BY MR. SNELL:<br/> 4 Q. What's his name?<br/> 5 A. Dr. Christian Winters, the<br/> 6 president of the Society of Urodynamics and<br/> 7 Female Urology.<br/> 8 Then there's Dr. Gregory Bales<br/> 9 at the University of Chicago, who I've heard<br/> 10 lectures quoting that paper. Those are the<br/> 11 two I can think of off the top of my head.<br/> 12 Q. When did you first perform a<br/> 13 hernia surgery involving mesh, if ever?<br/> 14 A. I never have.<br/> 15 Q. Never have?<br/> 16 In 2001 did you continue to use<br/> 17 the Gore-Tex mesh with sacrocolpopexy?<br/> 18 A. Yes. I don't remember when I<br/> 19 changed over to using polypropylene. It<br/> 20 would have been, as I mentioned earlier,<br/> 21 2002, 2003. So, again, I don't recall<br/> 22 exactly when.<br/> 23 Q. When you used the Gore-Tex mesh<br/> 24 for sacrocolpopexy to treat prolapse between<br/> 25 1999 and 2001 -- strike that.</p> | <p style="text-align: right;">Page 100</p> <p>1 When was Gore-Tex mesh<br/> 2 FDA-cleared for the treatment of pelvic<br/> 3 organ prolapse?<br/> 4 A. I have no idea.<br/> 5 Q. When you performed the<br/> 6 sacrocolpopexies with Gore-Tex mesh to treat<br/> 7 prolapse in 1999 to 2001, had it been<br/> 8 FDA-cleared for the treatment of prolapse?<br/> 9 MR. ANDERSON: Objection.<br/> 10 Go ahead.<br/> 11 THE WITNESS: I have no idea.<br/> 12 I would have trusted the company that it had<br/> 13 been.<br/> 14 BY MR. SNELL:<br/> 15 Q. Well, you know Gynemesh® PS was<br/> 16 the first mesh that was FDA-cleared for the<br/> 17 treatment of prolapse; correct?<br/> 18 MR. ANDERSON: Objection.<br/> 19 Go ahead.<br/> 20 THE WITNESS: I didn't know<br/> 21 that.<br/> 22 BY MR. SNELL:<br/> 23 Q. You didn't know that?<br/> 24 A. That's what I said.<br/> 25 Q. You didn't know that in 2002</p>   |

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| <p style="text-align: right;">Page 101</p> <p>1 Gynemesh® PS was the first mesh cleared by<br/>2 the FDA for the treatment of prolapse?<br/>3 A. I've already answered that<br/>4 question.<br/>5 Q. I'm asking a specific date now to<br/>6 see if this refreshes your recollection.<br/>7 A. It does not, no.<br/>8 Q. Would you agree that pelvic organ<br/>9 prolapse can be burdensome to many women?<br/>10 A. Absolutely.<br/>11 Q. Would you agree that it can<br/>12 affect their quality of life?<br/>13 A. Absolutely.<br/>14 Q. Women with prolapse can report<br/>15 feelings of heaviness or pressure?<br/>16 A. Correct.<br/>17 Q. They can report the feeling of a<br/>18 bulge or see an actual protrusion from their<br/>19 vagina; correct?<br/>20 A. Correct.<br/>21 Q. And this can be distressing to<br/>22 many women; correct?<br/>23 A. Absolutely.<br/>24 Q. Patients with prolapse can have<br/>25 interference with their sexual activity from</p>   | <p style="text-align: right;">Page 102</p> <p>1 the prolapse; correct?<br/>2 A. Yes.<br/>3 Q. And women with prolapse can have<br/>4 dyspareunia at baseline with that --<br/>5 associated with that prolapse; correct?<br/>6 A. Yes.<br/>7 Q. And some women are actually not<br/>8 sexually active because of the effect their<br/>9 prolapse has upon them; correct?<br/>10 A. Yes.<br/>11 Q. And that can be because of the<br/>12 physical effects of the prolapse; correct?<br/>13 A. As one of the factors, yes.<br/>14 Q. But also the way the woman feels<br/>15 about herself because of the prolapse;<br/>16 correct?<br/>17 A. Absolutely.<br/>18 Q. And you know that because of your<br/>19 training; right?<br/>20 A. Experience.<br/>21 Q. You know that because of your<br/>22 experience?<br/>23 A. Yes.<br/>24 Q. But also your training; correct?<br/>25 A. They're one and the same.</p>   |
| <p style="text-align: right;">Page 103</p> <p>1 Q. Patients with prolapse can have<br/>2 pain in their pelvic floor from changes to<br/>3 their pelvic floor musculature; correct?<br/>4 A. Pain is highly unlikely to be<br/>5 associated with pelvic organ prolapse, and<br/>6 in the exception, there can be pain. That<br/>7 is rare.<br/>8 Q. Some patients with prolapse are<br/>9 not sexually active because of factors<br/>10 associated with their partner; correct?<br/>11 A. There are a lot of variables in<br/>12 that one.<br/>13 Some patients with prolapse are<br/>14 not sexually active because of factors<br/>15 associated with their partner. Are we<br/>16 talking male or female? I mean, I guess I'm<br/>17 not following your question. I need that<br/>18 one rephrased.<br/>19 Q. Well, let's back up, then.<br/>20 Some patients with prolapse are<br/>21 not sexually active because of their<br/>22 prolapse; correct?<br/>23 A. Yes. Correct.<br/>24 Q. And some patients who are not<br/>25 sexually active who have prolapse may not --</p> | <p style="text-align: right;">Page 104</p> <p>1 may be not sexually active because of<br/>2 partner factors as opposed to the factor<br/>3 specific to the prolapse; correct?<br/>4 A. Okay. Thank you. I understand<br/>5 the question now.<br/>6 Yes, you are correct.<br/>7 Q. Treatment options for prolapse<br/>8 involve conservative and surgical measures;<br/>9 correct?<br/>10 A. Yes.<br/>11 Q. They involve the use of what's<br/>12 called a pessary; correct?<br/>13 A. Yes, that is one option.<br/>14 Q. Do you believe that option is<br/>15 appropriate in all patients?<br/>16 A. No.<br/>17 Q. And in the majority of cases<br/>18 treated conservatively -- strike that.<br/>19 In the majority of prolapse<br/>20 cases treated conservatively, the condition<br/>21 does not get better; correct?<br/>22 MR. ANDERSON: Objection.<br/>23 Go ahead.<br/>24 THE WITNESS: Answering your<br/>25 question specifically, no. Pelvic organ</p> |

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| <p style="text-align: right;">Page 105</p> <p>1 prolapse tends not to improve. It does not<br/> 2 necessarily worsen, however.<br/> 3 BY MR. SNELL:<br/> 4 Q. Some women do not want to use a<br/> 5 pessary; correct?<br/> 6 A. Absolutely.<br/> 7 Q. And women who have pessaries need<br/> 8 to be seen by their physician periodically<br/> 9 to check on the pessary; correct?<br/> 10 A. Correct.<br/> 11 Q. And how often do you see your<br/> 12 patients who use pessaries --<br/> 13 A. I don't see them --<br/> 14 Q. -- for the maintenance of them?<br/> 15 A. I don't see them -- I don't<br/> 16 implant or deal with pessaries.<br/> 17 Q. Okay.<br/> 18 A. I refer them to our urogynecology<br/> 19 colleagues.<br/> 20 Q. And you know some women are given<br/> 21 pessaries as an option and they just refuse<br/> 22 to use a pessary; correct?<br/> 23 A. You're correct.<br/> 24 Q. There can be vaginal discharge<br/> 25 with pessaries?</p> | <p style="text-align: right;">Page 106</p> <p>1 A. Yes.<br/> 2 Q. There can be vaginal odor<br/> 3 associated with the use of pessaries?<br/> 4 A. Yes.<br/> 5 Q. There can be ulceration<br/> 6 associated with the use of a pessary?<br/> 7 A. Yes.<br/> 8 Q. There can be bleeding associated<br/> 9 with the use of a pessary?<br/> 10 A. Yes.<br/> 11 Q. There can be tissue erosion<br/> 12 associated with the use of a pessary;<br/> 13 correct?<br/> 14 A. Yes.<br/> 15 Q. And these are all potential<br/> 16 complications from a pessary that you've<br/> 17 known about since the time of your training?<br/> 18 A. Yes.<br/> 19 Q. And these symptoms may lead a<br/> 20 woman to discontinue the use of a pessary;<br/> 21 correct?<br/> 22 A. Yes.<br/> 23 Q. Do pessaries need to be removed<br/> 24 and cleaned on a regular basis?<br/> 25 A. Yes.</p>   |
| <p style="text-align: right;">Page 107</p> <p>1 Q. The Gore-Tex mesh you used<br/> 2 between 1999 and 2001, who was the<br/> 3 manufacturer of that?<br/> 4 A. Gore-Tex.<br/> 5 Q. And what was the porosity of that<br/> 6 Gore-Tex mesh that you used between 1999 and<br/> 7 2001?<br/> 8 A. I don't know.<br/> 9 Q. What was the flexural rigidity of<br/> 10 that Gore-Tex mesh you used between 1999 and<br/> 11 2001?<br/> 12 A. I don't --<br/> 13 MR. ANDERSON: Objection.<br/> 14 Go ahead.<br/> 15 THE WITNESS: I don't know.<br/> 16 BY MR. SNELL:<br/> 17 Q. What was the burst strength of<br/> 18 that Gore-Tex mesh you used between 1999 and<br/> 19 2001?<br/> 20 MR. ANDERSON: Objection.<br/> 21 Go ahead.<br/> 22 THE WITNESS: I don't know.<br/> 23 BY MR. SNELL:<br/> 24 Q. What was the rate of the mesh<br/> 25 exposure you saw with the Gore-Tex mesh</p>   | <p style="text-align: right;">Page 108</p> <p>1 between 1999 and 2001?<br/> 2 A. I don't recall.<br/> 3 MR. ANDERSON: We've been going<br/> 4 about an hour and 20 and I think lunch will<br/> 5 be here any minute, so I'm not telling you<br/> 6 to stop now, I'm just suggesting that<br/> 7 whenever you get to a good break, I think<br/> 8 it's probably a good time to break. But<br/> 9 continue, please.<br/> 10 BY MR. SNELL:<br/> 11 Q. During your fellowship you<br/> 12 performed sacrospinous ligament fixation<br/> 13 surgeries to treat prolapse; correct?<br/> 14 A. I assisted on those cases, yes.<br/> 15 Q. And you are aware that any time<br/> 16 one is targeting the sacrospinous ligament,<br/> 17 there is a potential risk to the pudendal<br/> 18 nerves; correct?<br/> 19 A. Yes.<br/> 20 Q. And you knew this back in 1999 to<br/> 21 2000; correct?<br/> 22 A. Yes.<br/> 23 Q. And you know there's also a<br/> 24 potential risk to the blood vessels that<br/> 25 course in and around the pudendal nerves;</p> |



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| <p style="text-align: right;">Page 109</p> <p>1 correct?</p> <p>2 A. Yes.</p> <p>3 Q. And you knew this back in 1999</p> <p>4 and 2000; right?</p> <p>5 A. Yes.</p> <p>6 Q. And when you were trained on</p> <p>7 targeting the sacrospinous ligament --</p> <p>8 strike that.</p> <p>9 When you were trained on</p> <p>10 targeting the sacrospinous ligament during</p> <p>11 the fixation surgery you were assisting in</p> <p>12 in 1999 and 2000, you were trained to target</p> <p>13 the sacrospinous ligament two finger</p> <p>14 breadths medial to the ischial spine;</p> <p>15 correct?</p> <p>16 A. Actually, I don't recall because</p> <p>17 I never did pass the needle. The staff</p> <p>18 didn't feel it was safe for training on it,</p> <p>19 we only did a few, and so I never did it.</p> <p>20 Q. No one ever said this is how far</p> <p>21 you should go medial to the ischial spine</p> <p>22 when placing a suture in the sacrospinous</p> <p>23 ligament fixation?</p> <p>24 A. I'm sure they had mentioned it.</p> <p>25 I don't recall it.</p> | <p style="text-align: right;">Page 110</p> <p>1 Q. Is there a particular textbook or</p> <p>2 surgical textbook that you received during</p> <p>3 your fellowship that you used?</p> <p>4 A. I don't recall ever receiving</p> <p>5 one, no. I mean, I may have. I don't</p> <p>6 recall it.</p> <p>7 Q. Did you recall looking at</p> <p>8 surgical textbooks during your fellowship to</p> <p>9 aid or assist you in performing prolapse</p> <p>10 surgeries?</p> <p>11 A. Say no for prolapse surgeries.</p> <p>12 Q. Were there general urologic or</p> <p>13 gynecologic surgical textbooks you used</p> <p>14 during your fellowship?</p> <p>15 A. Yeah. Raz's I would suspect</p> <p>16 would be -- Raz's Transvaginal Surgery text.</p> <p>17 Q. Back in 1999 and 2000, when you</p> <p>18 did your fellowship, when you performed the</p> <p>19 sacrocolpopexy, these were open abdominal</p> <p>20 sacrocolpopexies, I take it?</p> <p>21 A. Correct.</p> <p>22 Q. During your fellowship you were</p> <p>23 not trained on laparoscopic sacrocolpopexy;</p> <p>24 correct?</p> <p>25 A. Correct.</p> |
| <p style="text-align: right;">Page 111</p> <p>1 Q. During your fellowship you</p> <p>2 learned that there was a risk of bowel</p> <p>3 adhesion with sacrocolpopexy; correct?</p> <p>4 A. Bowel adhesion to what?</p> <p>5 Q. Or injuries to the bowels.</p> <p>6 A. It is a theoretical risk, yes.</p> <p>7 Q. What's an ileus?</p> <p>8 A. Intestines that don't move,</p> <p>9 they're slowed.</p> <p>10 Q. And did you learn during your</p> <p>11 fellowship that ileus is a potential risk</p> <p>12 with sacrocolpopexy?</p> <p>13 A. No.</p> <p>14 Q. When did you learn about that</p> <p>15 risk?</p> <p>16 A. I already knew that coming into</p> <p>17 fellowship.</p> <p>18 Q. Where did you learn about the</p> <p>19 risk of ileus with sacrocolpopexy?</p> <p>20 A. Well, no. In general surgery you</p> <p>21 know with any abdominal procedure,</p> <p>22 regardless of what procedure it is, there</p> <p>23 will be an ileus.</p> <p>24 Q. You did colporrhaphies during</p> <p>25 your residency and fellowship; right?</p>                              | <p style="text-align: right;">Page 112</p> <p>1 A. Yes.</p> <p>2 Q. And during your residency and</p> <p>3 fellowship you were aware that there was a</p> <p>4 potential risk of dyspareunia with</p> <p>5 colporrhaphies; correct?</p> <p>6 A. Yes.</p> <p>7 Q. And during your fellowship you</p> <p>8 were also aware that there was a risk of</p> <p>9 dyspareunia with other prolapse surgeries;</p> <p>10 correct?</p> <p>11 A. Yes.</p> <p>12 Q. Have you ever performed a</p> <p>13 sacrospinous ligament fixation --</p> <p>14 A. I --</p> <p>15 Q. -- with you as the principal</p> <p>16 surgeon?</p> <p>17 A. As me as the primary surgeon, no,</p> <p>18 I have not.</p> <p>19 Q. Have you ever performed a</p> <p>20 Prolift® surgery?</p> <p>21 A. No.</p> <p>22 Q. Have you ever performed a</p> <p>23 Prosima® surgery?</p> <p>24 A. No.</p> <p>25 Q. Have you ever performed surgery</p>  |



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| <p style="text-align: right;">Page 113</p> <p>1 with Prolift+M®?</p> <p>2 A. No.</p> <p>3 Q. Did you ever undergo any of the</p> <p>4 Prolift® training?</p> <p>5 A. No.</p> <p>6 Q. I would assume you never</p> <p>7 underwent Prosima® training either.</p> <p>8 A. Correct. I have not.</p> <p>9 Q. Why did you switch from Gore-Tex</p> <p>10 mesh to polypropylene mesh?</p> <p>11 A. Because I --</p> <p>12 MR. ANDERSON: Objection.</p> <p>13 Asked and answered.</p> <p>14 Go ahead.</p> <p>15 THE WITNESS: I was having too</p> <p>16 many problems with the Gore-Tex,</p> <p>17 specifically erosion. Extrusion. Excuse</p> <p>18 me. Vaginal extrusion.</p> <p>19 BY MR. SNELL:</p> <p>20 Q. And with the Gore-Tex mesh you</p> <p>21 were having that mesh extrude into the</p> <p>22 vagina?</p> <p>23 A. Correct.</p> <p>24 Q. And this was a potential</p> <p>25 complication that you were aware of during</p>   | <p style="text-align: right;">Page 114</p> <p>1 your fellowship; correct?</p> <p>2 A. Yes.</p> <p>3 Q. And when -- was this in 2002 or</p> <p>4 2003, approximately, when you switched over</p> <p>5 to polypropylene mesh?</p> <p>6 A. In that time frame. In the time</p> <p>7 frame from 2001 to 2003, it was in there</p> <p>8 somewhere.</p> <p>9 Q. So sometime around 2001 to 2003</p> <p>10 you began using polypropylene mesh in your</p> <p>11 sacrocolpopexies instead of Gore-Tex mesh?</p> <p>12 A. That is correct.</p> <p>13 Q. After 2003 what other meshes have</p> <p>14 you used during your sacrocolpopexies?</p> <p>15 A. It's only been the polypropylene.</p> <p>16 Q. How many sacrocolpopexies have</p> <p>17 you done since 2003?</p> <p>18 A. Roughly 150.</p> <p>19 Q. And those are sacrocolpopexies in</p> <p>20 which you were the lead surgeon?</p> <p>21 A. Yes.</p> <p>22 Q. Besides the AMS IntePro --</p> <p>23 A. IntePro, yeah.</p> <p>24 Q. -- that you earlier identified as</p> <p>25 the polypropylene mesh that you used for</p> |
| <p style="text-align: right;">Page 115</p> <p>1 your sacrocolpopexies, can you tell me the</p> <p>2 other types of polypropylene meshes you've</p> <p>3 used for sacrocolpopexy?</p> <p>4 A. In 2002, 2003, whenever I made</p> <p>5 the switchover, I -- as the best I can</p> <p>6 recall, we used an AMS product, American</p> <p>7 Medical Systems, and then when IntePro came</p> <p>8 out, started using IntePro. And I don't</p> <p>9 recall when that was because it was a minor</p> <p>10 variation between the product. And so I've</p> <p>11 only used, to the best of my knowledge, only</p> <p>12 used that product.</p> <p>13 Q. In the time period of 2003 to --</p> <p>14 strike that.</p> <p>15 In the time period of 2002 to</p> <p>16 2009 did Mayo have other manufacturers'</p> <p>17 polypropylene mesh that you could choose or</p> <p>18 did they only have AMS products, for</p> <p>19 whatever reason?</p> <p>20 A. No. We could choose. We chose</p> <p>21 the product that we felt was the best and</p> <p>22 then it went to a selection committee, which</p> <p>23 then looked at the pricing. And if there</p> <p>24 were another variant that was the same price</p> <p>25 or less that we agreed with, we could go</p> | <p style="text-align: right;">Page 116</p> <p>1 with that. But it wasn't like I was forced</p> <p>2 to use that product. I chose to use it.</p> <p>3 Q. And the AMS, was it a particular</p> <p>4 AMS polypropylene mesh that you chose in</p> <p>5 2002 that's different from the IntePro?</p> <p>6 A. They --</p> <p>7 Q. I'm not following it.</p> <p>8 A. No. I understand. Because they</p> <p>9 had a product that was used for</p> <p>10 sacrocolpopexy, I don't recall the name of</p> <p>11 it, and --</p> <p>12 Q. Can I stop you right there?</p> <p>13 Before you came back from your</p> <p>14 fellowship, did they already have a mesh for</p> <p>15 sacrocolpopexies at Mayo?</p> <p>16 A. No.</p> <p>17 Q. Okay.</p> <p>18 A. Well, I don't recall. Nobody</p> <p>19 that I know used it. The GYN department may</p> <p>20 have.</p> <p>21 Q. Okay.</p> <p>22 A. But not -- not anybody in my</p> <p>23 department.</p> <p>24 Q. Okay.</p> <p>25 A. So then AMS had a certain</p>   |

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| <p style="text-align: right;">Page 117</p> <p>1 product, I don't recall the name. It was<br/> 2 polypropylene. I used it. And then they<br/> 3 came out with this IntePro, which is just a<br/> 4 mild variation. I think they sutured the<br/> 5 mesh together a little differently. And I<br/> 6 used that. It was a very subtle difference.<br/> 7 Q. Was this a mesh that you cut to<br/> 8 shape?<br/> 9 A. It was already Y-shaped.<br/> 10 Actually, it's called IntePro Y-shaped mesh,<br/> 11 as I recall. I haven't looked at the box in<br/> 12 a long time. And it was Y-shaped. You<br/> 13 trimmed the limbs to fit to the patient.<br/> 14 Q. The first polypropylene mesh you<br/> 15 used for sacrocolpopexies, was that already<br/> 16 Y-shaped or did you have to cut it into that<br/> 17 configuration?<br/> 18 A. It was Y shapes. So by Y I mean<br/> 19 there's a long strip and another strip comes<br/> 20 off like this, so it's a Y like this, it's<br/> 21 not a Y like this (indicating). Do you<br/> 22 understand what I'm saying? As far as --<br/> 23 like a quarterback, you know.<br/> 24 Q. Right.<br/> 25 A. In the center.</p> | <p style="text-align: right;">Page 118</p> <p>1 And that Y is then the -- the<br/> 2 anterior limb is then sewn to this, the<br/> 3 longer strip. So the only trimming that<br/> 4 takes place is trimming the anterior and<br/> 5 posterior arms for the length of the vagina<br/> 6 and then trimming the sacrum part.<br/> 7 Q. What's the pore size on the AMS<br/> 8 IntePro?<br/> 9 A. I don't know.<br/> 10 Q. What's the pore size on the<br/> 11 initial polypropylene mesh you began using<br/> 12 from AMS?<br/> 13 A. I don't know.<br/> 14 MR. ANDERSON: Lunch is here<br/> 15 whenever you're ready there.<br/> 16 MR. SNELL: All right. This is<br/> 17 good.<br/> 18 MR. ANDERSON: All right.<br/> 19 (Luncheon recess,<br/> 20 12:36-1:40 p.m.)<br/> 21 AFTERNOON SESSION<br/> 22 BY MR. SNELL:<br/> 23 Q. Dr. Elliott, you earlier<br/> 24 testified that you were trained on the<br/> 25 sacrospinous ligament fixation during your</p>   |
| <p style="text-align: right;">Page 119</p> <p>1 fellowship; correct?<br/> 2 MR. RESTAINO: Object.<br/> 3 THE WITNESS: I was shown the<br/> 4 procedure. I was shown the procedure. I<br/> 5 think it would be an exaggeration to say I<br/> 6 was trained in it. Yeah, I was shown two<br/> 7 times, two or three times.<br/> 8 BY MR. SNELL:<br/> 9 Q. During your fellowship you were<br/> 10 shown the sacrospinous ligament fixation<br/> 11 surgery; correct?<br/> 12 A. Yes.<br/> 13 Q. And you were aware from all the<br/> 14 training that you had received up to date<br/> 15 that the sacrospinous ligament fixation<br/> 16 surgery to treat prolapse had been performed<br/> 17 for decades by surgeons in the United States<br/> 18 prior to the time of your fellowship; right?<br/> 19 A. Yeah. I don't know when the<br/> 20 procedure was introduced. I knew it was a<br/> 21 long-standing procedure. So I can't say<br/> 22 decades or not. It was a preexisting<br/> 23 surgery.<br/> 24 Q. Does it refresh your recollection<br/> 25 if I say that Richter introduced the</p>  | <p style="text-align: right;">Page 120</p> <p>1 sacrospinous ligament fixation surgery<br/> 2 decades before your fellowship? Is that --<br/> 3 A. No, it doesn't refresh my memory.<br/> 4 Q. -- consistent or inconsistent<br/> 5 with your memory?<br/> 6 A. I just know it's been around a<br/> 7 long time. I don't know who invented it.<br/> 8 Q. We can agree that the<br/> 9 sacrospinous ligament fixation surgery has<br/> 10 been around a long time; correct?<br/> 11 A. Yes. Yes. Correct.<br/> 12 Q. And there's a potential risk of<br/> 13 urinary dysfunction with the sacrospinous<br/> 14 ligament fixation surgery; correct?<br/> 15 A. Yes.<br/> 16 Q. And there is a risk of urinary<br/> 17 dysfunction with other prolapse surgeries;<br/> 18 correct?<br/> 19 A. Well, I mean, other, I mean,<br/> 20 that's -- that's broad.<br/> 21 Q. It's meant to be broad.<br/> 22 A. Well, then make it specific.<br/> 23 Q. You can answer specific if you'd<br/> 24 like. I just would like to know whether you<br/> 25 would agree that urinary dysfunction is a</p> |

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| <p style="text-align: right;">Page 121</p> <p>1 potential complication with prolapse<br/> 2 surgeries other than the sacrospinous<br/> 3 ligament fixation; correct?<br/> 4 A. That is correct.<br/> 5 Q. Were you ever trained on the<br/> 6 transvaginal placement of mesh to treat<br/> 7 pelvic organ prolapse?<br/> 8 A. Transvaginal, no, I was not.<br/> 9 Q. And during your time at the Mayo<br/> 10 Clinic were you ever trained on the<br/> 11 transvaginal placement of mesh for prolapse?<br/> 12 A. No. No one at the Mayo Clinic<br/> 13 uses mesh for prolapse, for transvaginal<br/> 14 pelvic organ prolapse.<br/> 15 Q. I'm not talking about currently.<br/> 16 I mean 2002 to let's say 2010.<br/> 17 A. Well, I thought I answered the<br/> 18 question. No, I was not trained. No one at<br/> 19 the Mayo Clinic uses transvaginal pelvic<br/> 20 organ prolapse mesh.<br/> 21 Q. Ever, to your knowledge?<br/> 22 A. To my knowledge, ever. Yeah.<br/> 23 Q. You have been trained on the<br/> 24 transvaginal placement of mesh to treat<br/> 25 stress urinary incontinence; correct?</p> | <p style="text-align: right;">Page 122</p> <p>1 A. Yes.<br/> 2 Q. And surgeons at the Mayo Clinic<br/> 3 used transvaginal mesh to treat stress<br/> 4 urinary incontinence; correct?<br/> 5 A. I was the first one. Yes.<br/> 6 Q. In fact, the majority of surgeons<br/> 7 at the Mayo Clinic use transvaginal mesh to<br/> 8 treat stress urinary incontinence; correct?<br/> 9 A. They --<br/> 10 MR. ANDERSON: Objection.<br/> 11 Go ahead.<br/> 12 THE WITNESS: They all do.<br/> 13 BY MR. SNELL:<br/> 14 Q. And at the Mayo Clinic the most<br/> 15 common procedure done with transvaginal mesh<br/> 16 placement to treat stress urinary<br/> 17 incontinence is via the transobturator<br/> 18 route; correct?<br/> 19 A. I can only speak to my practice<br/> 20 because I don't know the other practices,<br/> 21 the breakdown, but in my practice that is a<br/> 22 correct statement.<br/> 23 Q. And you have described the<br/> 24 transvaginal use of mesh via the<br/> 25 transobturator route to treat stress urinary</p>   |
| <p style="text-align: right;">Page 123</p> <p>1 incontinence as a minimally invasive<br/> 2 procedure, haven't you?<br/> 3 A. Have I -- have I used those<br/> 4 words?<br/> 5 Q. Yes.<br/> 6 A. I -- I may have. I don't recall<br/> 7 an incidence, but I would not deny it or say<br/> 8 I haven't done it. I'd have to look at the<br/> 9 reference.<br/> 10 Q. Well, you would agree that the<br/> 11 use of transvaginal mesh to treat stress<br/> 12 urinary incontinence via the transobturator<br/> 13 route is a minimally invasive procedure;<br/> 14 correct?<br/> 15 A. Has to be what you're comparing<br/> 16 it to. If you're comparing it to the<br/> 17 traditional autologous sling, by all means.<br/> 18 If you're comparing it to DEFLUX injection<br/> 19 for stress urinary incontinence, then it is<br/> 20 much more invasive. So "minimally invasive"<br/> 21 is a relative term. There is not a<br/> 22 definition of that.<br/> 23 Q. And who trained you on the<br/> 24 transobturator placement of slings to treat<br/> 25 stress urinary incontinence?</p>                          | <p style="text-align: right;">Page 124</p> <p>1 A. Well, I was familiar with the<br/> 2 other approaches already, the much more<br/> 3 invasive autologous, so the -- specifically<br/> 4 the transobturator, that would have been in<br/> 5 2002, 2003. I took several courses with<br/> 6 Carl Klutke, who was at St. Louis, Rodney<br/> 7 Appell, who's passed away, used to be at<br/> 8 Baylor, and there was somebody else that I<br/> 9 learned with -- oh, and actually George<br/> 10 Webster, there was a female urology course<br/> 11 at some point in time that I took, talking<br/> 12 with them, their feelings about it and the<br/> 13 technique, and then watching surgical videos<br/> 14 too.<br/> 15 Q. Where were those surgical videos<br/> 16 from?<br/> 17 A. They were provided by Coloplast.<br/> 18 Actually, at the time they were provided by<br/> 19 Mentor Corporation.<br/> 20 Q. And you used polypropylene mesh<br/> 21 during your stress urinary incontinence<br/> 22 surgeries performed via the transobturator<br/> 23 approach; correct?<br/> 24 A. Yeah, that's what I use now.<br/> 25 Yes.</p> |

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| <p style="text-align: right;">Page 125</p> <p>1 Q. The traditional pubovaginal<br/>2 slings, that would include the autologous<br/>3 slings that you referenced a few minutes<br/>4 ago; correct?<br/>5 A. Correct.<br/>6 Q. And you would agree that compared<br/>7 to these autologous slings, the<br/>8 transobturator placement of polypropylene<br/>9 mesh to treat stress urinary incontinence is<br/>10 less invasive; correct?<br/>11 A. I would agree. Comparing it as<br/>12 you -- just so we're clear, comparing it<br/>13 next to autologous slings, yes, it would be<br/>14 less invasive.<br/>15 Q. Autologous slings to treat stress<br/>16 urinary incontinence are more invasive than<br/>17 the transobturator slings; correct?<br/>18 A. Yes.<br/>19 Q. And you have said that the<br/>20 traditional pubovaginal slings are rarely<br/>21 done nowadays because of the minimally<br/>22 invasive outpatient approaches with the<br/>23 transobturator approach.<br/>24 A. Correct.<br/>25 Q. The traditional pubovaginal</p>                            | <p style="text-align: right;">Page 126</p> <p>1 slings include cadaveric slings; correct?<br/>2 A. Uh-huh. Yes.<br/>3 Q. As well as autologous, as you<br/>4 earlier testified; correct?<br/>5 A. Yes.<br/>6 Q. The autologous is the patient's<br/>7 own tissue; correct?<br/>8 A. Yes.<br/>9 Q. And that tissue has to be<br/>10 harvested from the patient; correct?<br/>11 A. Yes.<br/>12 Q. The harvesting of tissue from a<br/>13 patient for any type of sling material<br/>14 increases morbidity; correct?<br/>15 A. Yes.<br/>16 Q. And, in fact, for the<br/>17 sacrocolpopexy, surgeons sometimes use<br/>18 rectus fascia harvested and then that will<br/>19 be used to attach the vagina to the sacrum;<br/>20 correct?<br/>21 MR. ANDERSON: Objection.<br/>22 Go ahead.<br/>23 THE WITNESS: I'm not familiar<br/>24 with anybody doing that anymore because<br/>25 there have been studies by Brubaker, et al.,</p>  |
| <p style="text-align: right;">Page 127</p> <p>1 and others showing that autologous fascia<br/>2 does not work well for it, and that's why<br/>3 the transition over to synthetics. Some<br/>4 individuals may be doing it but there are<br/>5 some very good data against it.<br/>6 BY MR. SNELL:<br/>7 Q. There are very good data against<br/>8 the use of pubovaginal -- strike that.<br/>9 There are good data against the<br/>10 use of autologous tissues for the treatment<br/>11 of prolapse via sacrocolpopexy; correct?<br/>12 MR. ANDERSON: Objection.<br/>13 Go ahead.<br/>14 THE WITNESS: I agree with<br/>15 that, yes.<br/>16 BY MR. SNELL:<br/>17 Q. But I am correct that at some<br/>18 point in time in the surgical history of<br/>19 treating prolapse surgeons did attempt to<br/>20 use autologous tissues in connection with<br/>21 their sacrocolpopexy procedures; correct?<br/>22 A. That is correct.<br/>23 Q. And ultimately, the data showed<br/>24 that that autologous tissue use in the<br/>25 sacrocolpopexy was not a feasible option</p> | <p style="text-align: right;">Page 128</p> <p>1 long term; correct?<br/>2 A. No. It's a feasible option long<br/>3 term.<br/>4 Q. I'm sorry?<br/>5 A. It's a feasible option long term.<br/>6 Q. Well, what's the data you<br/>7 referred to by Brubaker, et al.?<br/>8 A. That the failure rate was high.<br/>9 Brubaker might have been the<br/>10 lead author. I can't say it was actually<br/>11 her. Et al. implies she's the lead author.<br/>12 I don't believe she's the lead author.<br/>13 She's probably the senior author. Just in<br/>14 case you want to find that article.<br/>15 Q. Linda Brubaker's article?<br/>16 A. Correct. Yes.<br/>17 Q. What year? 2000?<br/>18 A. Around that time period, yeah.<br/>19 Q. I know which one you're talking<br/>20 about.<br/>21 The autologous tissue can be<br/>22 digested by the body; correct?<br/>23 A. That -- yeah, that is a theory of<br/>24 what happens to it. Yes.<br/>25 Q. How was it that you came to use</p> |

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| <p style="text-align: right;">Page 129</p> <p>1 the Mentor sling for stress urinary<br/>2 incontinence? And what I'm talking about is<br/>3 specifically that sling as opposed to some<br/>4 other manufacturer of sling.<br/>5 A. That was the transobturator sling<br/>6 specifically. Because I was already using<br/>7 the suprapubic, the SPARC, by AMS. Okay?<br/>8 So in 2002, 2003 the<br/>9 transobturator was introduced to the United<br/>10 States. It had been in Europe prior to that<br/>11 time. So I was aware of it. Mentor<br/>12 Corporation, as I -- I believe was the first<br/>13 one to be able to offer it in the United<br/>14 States. At least I was -- I was contacted.<br/>15 So they came to me saying, hey, we have our<br/>16 transobturator sling here. It was the OB<br/>17 Tape.<br/>18 Q. And for how long did you use the<br/>19 OB Tape?<br/>20 A. 100 cases.<br/>21 Q. What years?<br/>22 A. Oh, I don't know. 2000 --<br/>23 actually, I -- I just don't know. It was<br/>24 when it was introduced, 2003, 2004, '5,<br/>25 something like that.</p> | <p style="text-align: right;">Page 130</p> <p>1 Q. So --<br/>2 A. In that time frame.<br/>3 Q. Until when?<br/>4 A. Well, when I got the 100 cases.<br/>5 I do about roughly 80 to 150 cases a year.<br/>6 There's wide variation in my practice. And<br/>7 so however long it took me to do 100 cases.<br/>8 Q. And after using the OB Tape did<br/>9 you switch to a different type of<br/>10 polypropylene mesh to treat stress urinary<br/>11 incontinence?<br/>12 A. Yes. We went to -- well, no. I<br/>13 continued using the SPARC and then -- but<br/>14 that's suprapubic. And so then<br/>15 transobturator, then I started using the<br/>16 Monarc by AMS.<br/>17 Q. So TVT-O was OB Tape, then --<br/>18 A. Well, TVT-O was a product. I<br/>19 don't use TVT-O.<br/>20 Q. The transobturator polypropylene<br/>21 meshes you've used have been OB Tape and<br/>22 then --<br/>23 A. Monarc.<br/>24 Q. -- Monarc.<br/>25 A. Yeah. M-O-N-A-R-C.</p>                            |
| <p style="text-align: right;">Page 131</p> <p>1 Q. And the suprapubic sling that you<br/>2 used was SPARC.<br/>3 A. SPARC. And it stands for<br/>4 suprapubic ARC. And that's by AMS.<br/>5 Q. Have you used any other type of<br/>6 -- is that also called the retropubic<br/>7 approach by some?<br/>8 A. Retropubic, suprapubic. It gets<br/>9 -- it gets very confusing. Technically<br/>10 speaking, the TVT® type product would be<br/>11 retropubic. You go from bottom up. I've<br/>12 used because I felt it was in my hands<br/>13 easier to use, go top down, which is<br/>14 technically suprapubic. So it's confusing.<br/>15 Q. Ultimately, urethral support is<br/>16 provided by a U-shaped polypropylene mesh<br/>17 sling with the suprapubic or the retropubic<br/>18 approach; correct?<br/>19 A. You're absolutely right.<br/>20 Q. And forgive me. When did you<br/>21 begin using the SPARC?<br/>22 A. 2001, roughly.<br/>23 Q. Now, you earlier testified that I<br/>24 believe you were the first surgeon at the<br/>25 Mayo Clinic who used the transobturator</p> | <p style="text-align: right;">Page 132</p> <p>1 approach with the polypropylene sling. Is<br/>2 that correct or am I misstating?<br/>3 A. To be correct, no question, I was<br/>4 the first to use suprapubic --<br/>5 Q. Okay.<br/>6 A. -- and transobturator, and I most<br/>7 likely was the first in the state of<br/>8 Minnesota to do both also. That I can't<br/>9 prove. That's what I've been told. It's<br/>10 one of those things.<br/>11 Q. Okay.<br/>12 MR. ANDERSON: Off the record.<br/>13 (Discussion off the record.)<br/>14 BY MR. SNELL:<br/>15 Q. For the SPARC polypropylene mesh<br/>16 slings you began using in 2001, what was the<br/>17 pore size for that mesh?<br/>18 A. I don't know the pore size, no.<br/>19 Q. Do you know what the density in<br/>20 grams per squared is for that mesh is?<br/>21 A. Density in --<br/>22 MR. ANDERSON: Grams per meter.<br/>23 MR. SNELL: In grams per meter<br/>24 squared.<br/>25 THE WITNESS: No, I do not know</p> |



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| <p style="text-align: right;">Page 133</p> <p>1 that.</p> <p>2 BY MR. SNELL:</p> <p>3 Q. Do you know the thickness in</p> <p>4 millimeters of that mesh?</p> <p>5 A. No.</p> <p>6 Q. Do you know the flexural rigidity</p> <p>7 of that mesh?</p> <p>8 A. Flex?</p> <p>9 MR. ANDERSON: Objection.</p> <p>10 BY MR. SNELL:</p> <p>11 Q. Flexural rigidity.</p> <p>12 A. Flexural rigidity? Do you have a</p> <p>13 math equation for that one? Maybe I'll</p> <p>14 figure it out. Flexural rigidity, because</p> <p>15 that's a math -- we can figure that on a</p> <p>16 math equation.</p> <p>17 Q. As you sit here, do you know it?</p> <p>18 A. No. That's why I was asking. So</p> <p>19 the answer then would be no.</p> <p>20 Q. For the OB Tape mesh that you</p> <p>21 used beginning around 2002, do you know what</p> <p>22 the pore size was for that?</p> <p>23 A. That is a very interesting</p> <p>24 question because with OB Tape -- I am not a</p> <p>25 materials expert so I have to be very clear</p> | <p style="text-align: right;">Page 134</p> <p>1 on that. You look at OB Tape, hold it up to</p> <p>2 the light, there are essentially no pores in</p> <p>3 it. It's a thick band. Looks like a piece</p> <p>4 of ribbon, almost. So I can't answer your</p> <p>5 question; however, I can theorize it's tiny</p> <p>6 and -- go ahead.</p> <p>7 Q. I didn't mean to interrupt you.</p> <p>8 Go ahead.</p> <p>9 A. No. No.</p> <p>10 Q. I thought you were done. I</p> <p>11 apologize.</p> <p>12 A. I'm sorry.</p> <p>13 Q. Do you know the density of the OB</p> <p>14 Tape mesh?</p> <p>15 A. No, I do not.</p> <p>16 Q. Well, what about the thickness of</p> <p>17 it; do you know that, by chance?</p> <p>18 A. No, I do not.</p> <p>19 Q. The mesh used in the Monarc</p> <p>20 transobturator, that's a polypropylene mesh;</p> <p>21 correct?</p> <p>22 A. It's the same mesh as SPARC.</p> <p>23 Q. So the same answers would hold</p> <p>24 true, then. You don't know what the pore</p> <p>25 size is of that mesh.</p>  |
| <p style="text-align: right;">Page 135</p> <p>1 A. Correct.</p> <p>2 Q. Or the density or thickness;</p> <p>3 correct?</p> <p>4 A. Correct.</p> <p>5 Q. When was the last time you used</p> <p>6 polypropylene mesh to treat stress urinary</p> <p>7 incontinence?</p> <p>8 A. Last week.</p> <p>9 Q. You earlier testified that you</p> <p>10 switched from using Gore-Tex mesh to</p> <p>11 polypropylene mesh.</p> <p>12 Why did you make that switch --</p> <p>13 A. Because --</p> <p>14 Q. -- specific to polypropylene?</p> <p>15 A. Why did I switch to</p> <p>16 polypropylene?</p> <p>17 Q. Yes.</p> <p>18 A. Because that was the product that</p> <p>19 the AMS company came to me with.</p> <p>20 Q. So you didn't do any individual</p> <p>21 scientific analysis of materials that were</p> <p>22 available --</p> <p>23 A. I --</p> <p>24 Q. -- at the time?</p> <p>25 A. Sorry. No. I reviewed their --</p>   | <p style="text-align: right;">Page 136</p> <p>1 their product brochures, reviewed lectures</p> <p>2 provided to me by outside -- their</p> <p>3 clinicians, but no independent research, no.</p> <p>4 Q. Have you ever used Vipro to treat</p> <p>5 pelvic organ prolapse?</p> <p>6 A. Vipro. I'm not -- no.</p> <p>7 Q. Do you know what Vipro is?</p> <p>8 A. I believe it's a Vicryl-related</p> <p>9 absorbable type of mesh.</p> <p>10 Q. Since you've been at Mayo Clinic,</p> <p>11 is it correct that the only meshes you have</p> <p>12 used since switching from Gore-Tex are</p> <p>13 polypropylene-based meshes for the treatment</p> <p>14 of prolapse?</p> <p>15 A. I don't know what OB Tape was</p> <p>16 made of so --</p> <p>17 Q. I thought -- I thought OB Tape</p> <p>18 was urinary incontinence.</p> <p>19 A. It is. Did you say meshes?</p> <p>20 MR. ANDERSON: He said --</p> <p>21 MR. SNELL: Here. Let me give</p> <p>22 it.</p> <p>23 BY MR. SNELL:</p> <p>24 Q. Since you've been at Mayo Clinic,</p> <p>25 is it correct that the only meshes you have</p> |



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| <p style="text-align: right;">Page 137</p> <p>1 used since switching from Gore-Tex are<br/> 2 polypropylene-based meshes -- I see where<br/> 3 you're going. Okay. I should have put that<br/> 4 in the beginning.<br/> 5 For the treatment of<br/> 6 prolapse --<br/> 7 A. Okay. Yeah.<br/> 8 Q. -- since switching from Gore-Tex<br/> 9 mesh, are the only meshes that you have been<br/> 10 using the polypropylene-based meshes?<br/> 11 A. Yes.<br/> 12 Q. Besides harvesting flesh from the<br/> 13 rectus fascia, surgeons also harvested flesh<br/> 14 from patients, from their fasciae latae, to<br/> 15 have an autologous band of tissue; correct?<br/> 16 A. Yes.<br/> 17 Q. When is the last time you did<br/> 18 that to a patient?<br/> 19 A. Never.<br/> 20 Q. Why not?<br/> 21 A. Seemed very morbid to me.<br/> 22 Q. What they do is they create an<br/> 23 incision for the fasciae latae --<br/> 24 A. No. I know how to do the<br/> 25 procedure. That's not the -- my answer was</p>                                  | <p style="text-align: right;">Page 138</p> <p>1 not I don't understand it. I understand it.<br/> 2 I said it's morbid.<br/> 3 Q. And it's morbid because they<br/> 4 create an incision, they tunnel under the<br/> 5 skin, use something like a Lausanne stripper<br/> 6 to strip out the flesh to be used as an<br/> 7 autologous sling; correct?<br/> 8 A. Yes.<br/> 9 Q. And, in your mind, that's a very<br/> 10 morbid procedure; correct?<br/> 11 A. Yeah. Yes. Correct.<br/> 12 Q. And that's why you don't do<br/> 13 autologous sling placements; correct?<br/> 14 A. I still will do autologous<br/> 15 slings. They're rare. There's unique<br/> 16 circumstances I will do it. I will not<br/> 17 harvest from the fasciae latae, though.<br/> 18 Q. You will use cadaveric?<br/> 19 A. No. Autologous is autologous.<br/> 20 Cadaveric is cadaveric.<br/> 21 Q. I'm sorry. Where would you<br/> 22 harvest from?<br/> 23 A. The rectus.<br/> 24 Q. Rectus fascia?<br/> 25 A. Correct.</p>  |
| <p style="text-align: right;">Page 139</p> <p>1 Q. And even when you harvest from<br/> 2 the rectus fascia, you tell patients that<br/> 3 there can be additional complications or<br/> 4 morbidity from that harvesting alone and<br/> 5 apart from the procedure in which you're<br/> 6 going to use that tissue; right?<br/> 7 A. Correct.<br/> 8 Q. In the last 1990s, the POPQ scale<br/> 9 was adopted by the International<br/> 10 Incontinence Society; correct?<br/> 11 A. Yes.<br/> 12 Q. And that brought with it a<br/> 13 standardized way of measuring prolapse for<br/> 14 the first time.<br/> 15 A. Correct.<br/> 16 Q. And since that time surgeons in<br/> 17 clinical studies have used the POPQ scale to<br/> 18 assess prolapse; correct?<br/> 19 A. Some have, yes.<br/> 20 Q. Sacrocolpopexy, does it have a<br/> 21 risk of rectal injury?<br/> 22 A. Theoretically, yes.<br/> 23 Q. Has rectal injury been reported<br/> 24 in any clinical studies that you're aware of<br/> 25 with regard to sacrocolpopexy?</p> | <p style="text-align: right;">Page 140</p> <p>1 A. I suspect it probably has.<br/> 2 Q. When you say theoretical, what do<br/> 3 you mean by that term?<br/> 4 A. Well, the rectum is actually<br/> 5 quite a ways away from the vagina when<br/> 6 you're doing your dissection. It is -- it's<br/> 7 not close. The bladder is close and<br/> 8 adherent but the rectum is a long ways away,<br/> 9 unless they've had some type of previous<br/> 10 operations and it will be scarred in. So<br/> 11 yes, theoretically, it is a risk.<br/> 12 Q. Okay. I understand.<br/> 13 A. But --<br/> 14 Q. Injury to the bladder is a risk<br/> 15 with sacrocolpopexy.<br/> 16 A. Yes.<br/> 17 Q. And that's because of the<br/> 18 proximity of the bladder to the planes in<br/> 19 the dissection areas for the sacrocolpopexy;<br/> 20 correct?<br/> 21 A. Yes. And frequently, that<br/> 22 there's previous scar tissue there from<br/> 23 previous surgeries. So it's much more<br/> 24 stuck.<br/> 25 Q. There's a life-threatening injury</p> |

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| <p style="text-align: right;">Page 141</p> <p>1 to the great vessels when you do a<br/>2 sacrocolpopexy; correct?<br/>3 MR. ANDERSON: Objection.<br/>4 THE WITNESS: Again, that falls<br/>5 in line with theoretically. The great<br/>6 vessels aren't really where you're working.<br/>7 We have a good amount of distance away from<br/>8 them.<br/>9 BY MR. SNELL:<br/>10 Q. Is there a risk of injury to the<br/>11 internal iliac vessel with sacrocolpopexy?<br/>12 A. Yes, there's going to be a<br/>13 potential risk. Yes. That risk should be<br/>14 very uncommon and remote.<br/>15 Q. What's a presacral hemorrhage?<br/>16 A. Presacral is from the presacral<br/>17 vessels on the sacrum itself. So the veins<br/>18 bleed.<br/>19 Q. So there's a risk of presacral<br/>20 hemorrhage with sacrocolpopexy?<br/>21 A. Yes. That's been very well<br/>22 described.<br/>23 Q. And that's because you're<br/>24 attaching part of that mesh up to the<br/>25 sacrum; correct?</p>                                   | <p style="text-align: right;">Page 142</p> <p>1 A. No. It's because you've cut into<br/>2 veins that are the presacral veins. So it<br/>3 has nothing necessarily to do with the mesh<br/>4 itself. It's your dissection.<br/>5 Q. So part of the risk with<br/>6 dissection in a sacrocolpopexy is the risk<br/>7 to cutting into the presacral veins.<br/>8 A. Yes.<br/>9 Q. Osteomyelitis has been described<br/>10 as a complication associated with<br/>11 sacrocolpopexy; correct?<br/>12 A. Yes.<br/>13 Q. Sacral bone infection --<br/>14 A. Yes.<br/>15 Q. -- is a risk with sacrocolpopexy?<br/>16 A. Yes.<br/>17 Q. The abdominal sacrocolpopexy is a<br/>18 procedure that can take over three hours;<br/>19 correct?<br/>20 MR. ANDERSON: Objection.<br/>21 Go ahead.<br/>22 THE WITNESS: I can only answer<br/>23 for myself. And it shouldn't. You should<br/>24 be out of there in two hours.<br/>25 BY MR. SNELL:</p>   |
| <p style="text-align: right;">Page 143</p> <p>1 Q. You never had cases where it's<br/>2 taken you more than three hours to perform a<br/>3 sacrocolpopexy? An open abdominal<br/>4 sacrocolpopexy.<br/>5 A. Yeah, open abdominal.<br/>6 I may have. I mean, it's<br/>7 within the realm of possibility, but it --<br/>8 but it should move along.<br/>9 Q. One of the reasons why you began<br/>10 performing robotic laparoscopic<br/>11 sacrocolpopexies is because of the high<br/>12 degree of morbidity associated with an open<br/>13 abdominal sacrocolpopexy; isn't that<br/>14 correct?<br/>15 A. Higher degree of morbidity.<br/>16 There's a difference to me.<br/>17 Q. Were you performing laparoscopic<br/>18 sacrocolpopexy before you began doing<br/>19 robotic laparoscopic sacrocolpopexy?<br/>20 A. No.<br/>21 Q. Your first case of robotic<br/>22 laparoscopic sacrocolpopexy was in 2001;<br/>23 correct?<br/>24 A. I'd have to look at the date on<br/>25 it. I don't recall the manuscript out there</p> | <p style="text-align: right;">Page 144</p> <p>1 on it but...<br/>2 Q. What's your recollection of your<br/>3 first case of robotic sacrocolpopexy?<br/>4 A. I was thinking it was in 2002,<br/>5 but I don't -- it was in that time frame.<br/>6 Q. Your first case of robotic<br/>7 sacrocolpopexy took you about four hours and<br/>8 45 minutes long.<br/>9 Do you recall ever saying that?<br/>10 A. Correct. Yeah.<br/>11 Q. When you first began doing the<br/>12 robotic laparoscopic sacrocolpopexy to treat<br/>13 prolapse, did you use the da Vinci machine?<br/>14 A. Yes.<br/>15 Q. Robot?<br/>16 A. That's the only robot<br/>17 commercially available that I'm familiar<br/>18 with.<br/>19 Q. So in your first case of robotic<br/>20 sacrocolpopexy in either 2001 or 2002, that<br/>21 was done with the da Vinci robot.<br/>22 A. Correct.<br/>23 Q. And all of your subsequent cases<br/>24 of robotic laparoscopic sacrocolpopexy to<br/>25 treat vaginal prolapse have been with the da</p> |

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| <p style="text-align: right;">Page 145</p> <p>1 Vinci robot?</p> <p>2 A. Correct.</p> <p>3 Q. And how were you trained on the</p> <p>4 da Vinci robot?</p> <p>5 A. I am not. Dr. Chow, my partner,</p> <p>6 is. As I mentioned earlier, this is a team.</p> <p>7 We do this.</p> <p>8 Q. How do you -- Dr. Chow?</p> <p>9 A. Dr. Chow, C-H-O-W. George Chow.</p> <p>10 Q. So when you would do a robotic</p> <p>11 laparoscopic sacrocolpopexy, it would be you</p> <p>12 and Dr. George Chow performing the procedure</p> <p>13 on a patient for prolapse treatment?</p> <p>14 A. Correct.</p> <p>15 Q. Do you operate the robot?</p> <p>16 A. He drives the robot, as we say.</p> <p>17 He drives the robot. I'm the one actually</p> <p>18 with the patient directing where Chow --</p> <p>19 where dissection goes, sutures go. He is</p> <p>20 trained in, fellowship trained in robotics,</p> <p>21 and so we do -- that's why we do it as a</p> <p>22 team.</p> <p>23 Q. So Dr. Chow is -- is he</p> <p>24 fellowship trained in robotics?</p> <p>25 A. Yes. He did his residency at</p>  | <p style="text-align: right;">Page 146</p> <p>1 Cleveland Clinic in urology and fellowship</p> <p>2 at Hopkins. And his fellowship is</p> <p>3 specifically robotics. Well,</p> <p>4 robotics/laparoscopy. It's a combined</p> <p>5 fellowship.</p> <p>6 Q. When you switched from the</p> <p>7 Gore-Tex mesh to the polypropylene mesh for</p> <p>8 your sacrocolpopexies, is it correct that</p> <p>9 you thereafter continued to do open</p> <p>10 abdominal sacrocolpopexies?</p> <p>11 A. Yes. I -- I changed from</p> <p>12 Gore-Tex to polypropylene prior to us doing</p> <p>13 it robotically.</p> <p>14 Q. So when was the last time you</p> <p>15 performed an open abdominal sacrocolpopexy?</p> <p>16 A. Probably within the last month.</p> <p>17 Q. Okay.</p> <p>18 A. More or less.</p> <p>19 Q. Since 2002, what prolapse</p> <p>20 surgeries have you done besides open</p> <p>21 abdominal sacrocolpopexy and the robotic</p> <p>22 laparoscopic sacrocolpopexy which was done</p> <p>23 with you and Dr. Chow?</p> <p>24 A. Uh-huh. The anterior</p> <p>25 colporrhaphy, posterior colporrhaphy, Mayo</p>                          |
| <p style="text-align: right;">Page 147</p> <p>1 culdoplasty.</p> <p>2 Q. What's the Mayo culdoplasty? How</p> <p>3 is it different from the McCall's?</p> <p>4 A. It's essentially the same thing.</p> <p>5 It's fixation to the uterosacral ligaments.</p> <p>6 There's minimal difference between the two.</p> <p>7 You can call it McCall's culdoplasty. It</p> <p>8 would be fine.</p> <p>9 Q. And do you view the robotic</p> <p>10 laparoscopic sacrocolpopexy as a minimally</p> <p>11 invasive prolapse surgery?</p> <p>12 A. Comparing it to the open, yes.</p> <p>13 Minimally invasive is not a defined term so</p> <p>14 you have to compare it to whatever -- you</p> <p>15 have to have a frame of reference.</p> <p>16 Q. So compared to the open abdominal</p> <p>17 sacrocolpopexy, it's your opinion that</p> <p>18 robotic laparoscopic sacrocolpopexy is</p> <p>19 minimally invasive.</p> <p>20 A. Correct.</p> <p>21 Q. When you would be using the</p> <p>22 robotic laparoscopic sacrocolpopexy, would</p> <p>23 the patient be under general anesthesia?</p> <p>24 A. Yes. For the robotic, yes, they</p> <p>25 would, under general.</p> | <p style="text-align: right;">Page 148</p> <p>1 Q. There's a higher risk to the</p> <p>2 patient the longer she is under general</p> <p>3 anesthesia; correct?</p> <p>4 A. Well, you have to define what the</p> <p>5 risk you're talking about is.</p> <p>6 Q. What are the risks, Doctor, with</p> <p>7 general anesthesia?</p> <p>8 A. I think the longer -- well, then</p> <p>9 general anesthesia in and of itself, MI,</p> <p>10 embolic event, other cardiac events,</p> <p>11 prolonged ileus. I mean, those are some of</p> <p>12 them I can think of just off the top of my</p> <p>13 head. There's going to be more. You'd have</p> <p>14 to talk to an anesthesiologist about that.</p> <p>15 Q. Embolic, you mean things like PE</p> <p>16 and DVT?</p> <p>17 A. Correct. Thromboembolic event.</p> <p>18 Yes.</p> <p>19 Q. The longer a patient is under</p> <p>20 general anesthesia, isn't it correct that</p> <p>21 there is a higher risk of pulmonary</p> <p>22 embolism?</p> <p>23 A. Yes. I would assume so. I have</p> <p>24 not reviewed the anesthesia data on that,</p> <p>25 but that's pretty much the dogma out there,</p> |

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| <p style="text-align: right;">Page 149</p> <p>1 that the longer you sleep, the more<br/>2 complications.<br/>3 Q. Is that something that you<br/>4 disagree with?<br/>5 A. No. I agree with it.<br/>6 Q. Okay.<br/>7 A. I have not studied it myself.<br/>8 Q. And the ileus you identified as<br/>9 what we earlier discussed, the intestinal<br/>10 blockage?<br/>11 A. Not blockage. Slowed down.<br/>12 There is no blockage. There's a huge<br/>13 difference. It's just that the intestines<br/>14 are somewhat stunned after anesthesia. They<br/>15 take a while to wake up.<br/>16 Q. In your robotic laparoscopic<br/>17 sacrocolpopexy cases, some of them have<br/>18 taken up to five hours to complete; correct?<br/>19 A. I'd have to review our data on<br/>20 it. I don't recall.<br/>21 Q. As you sit here, you don't<br/>22 recall?<br/>23 A. I don't -- no. I have a paper<br/>24 out, our first 30. I'd have to look at<br/>25 that. But now we're up to 90. So now we're</p>   | <p style="text-align: right;">Page 150</p> <p>1 routinely around two hours, 2:15. I'm not<br/>2 denying it may have taken five hours. I<br/>3 just don't recall.<br/>4 Q. When you first began using<br/>5 Gore-Tex during your fellowship for the<br/>6 sacrocolpopexies, did you investigate<br/>7 whether the FDA had cleared it for the<br/>8 treatment of pelvic organ prolapse?<br/>9 MR. ANDERSON: Objection.<br/>10 Asked and answered.<br/>11 Go ahead.<br/>12 THE WITNESS: No, I -- I<br/>13 assumed the company had done that. I<br/>14 trusted their opinion, if they're providing<br/>15 it for me, that it had been approved.<br/>16 BY MR. SNELL:<br/>17 Q. When you first began using the<br/>18 Gore-Tex mesh -- strike that.<br/>19 During your use of the Gore-Tex<br/>20 mesh in your fellowship to treat<br/>21 sacrocolpopexy, did you read the IFU to<br/>22 check the indications of use?<br/>23 A. The IFU that was -- yes. The IFU<br/>24 that was provided for us, this was a sheet<br/>25 of Gore-Tex, I don't remember how large, but</p> |
| <p style="text-align: right;">Page 151</p> <p>1 it was like let's just say eight by eight or<br/>2 something like that. It was a sheet. And<br/>3 then the surgeon would cut it out to form<br/>4 whatever shape he needed. And so I do<br/>5 remember he gave it to me, I reviewed it<br/>6 because I was writing up a paper at the<br/>7 time, which is in my CV, about<br/>8 sacrocolpopexy.<br/>9 Q. Okay.<br/>10 A. Because I rely on those.<br/>11 Q. Do you recall what specific<br/>12 Gore-Tex product that was?<br/>13 A. No. I would be able to track it<br/>14 down on my CV, if I could get ahold of the<br/>15 original manuscript.<br/>16 Q. I have a copy of your CV here.<br/>17 A. Uh-huh. 2004.<br/>18 Q. What paper are we talking about,<br/>19 Doctor?<br/>20 A. That's what I'm getting to.<br/>21 MR. ANDERSON: He's looking.<br/>22 THE WITNESS: Here we go.<br/>23 Under "Non-peer-reviewed Articles," Elliott<br/>24 Cone, Boone. Mark Cone, that was the name<br/>25 of the GYN I worked with. "Transabdominal</p> | <p style="text-align: right;">Page 152</p> <p>1 Sacrocolpopexy for Severe Vaginal Vault<br/>2 Prolapse: Indications and Results,"<br/>3 published in "Issues In Incontinence," 2000.<br/>4 Number 1 on the non-peer reviewed.<br/>5 BY MR. SNELL:<br/>6 Q. Turn, if you would, to Page 4 of<br/>7 your CV.<br/>8 A. Okay.<br/>9 Q. Under "Presentations,<br/>10 International," it says,<br/>11 "Colloquium-ICS/IUGA, 2004, Paris, France,"<br/>12 August 2004.<br/>13 Do you see that?<br/>14 A. Yes.<br/>15 Q. Did you attend ICS/IUGA 2004 in<br/>16 Paris, France?<br/>17 A. Yes.<br/>18 Q. Did you see any of the<br/>19 presentations there concerning transvaginal<br/>20 mesh?<br/>21 A. Not that I recall, no.<br/>22 Q. Did you make any presentations at<br/>23 ICS/IUGA 2004?<br/>24 A. Yes.<br/>25 Q. Which one?</p>  |

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| <p style="text-align: right;">Page 153</p> <p>1 A. I don't know. It doesn't state<br/>2 it there. For some reason, it's not on the<br/>3 CV.<br/>4 Q. It's not listed anywhere in your<br/>5 CV what presentation you made at ICS/IUGA<br/>6 2004?<br/>7 A. No. It was a poster. I know<br/>8 that.<br/>9 Q. What was it a poster about?<br/>10 A. That's what I don't know. I know<br/>11 I had that poster because I had to carry it<br/>12 all the way from Minneapolis to Paris, but I<br/>13 don't remember what the subject matter was.<br/>14 Q. As you sit here today, you don't<br/>15 know whether it was prolapse, urinary<br/>16 incontinence or some other condition that<br/>17 you treated back then at that time?<br/>18 A. It would have been one of those<br/>19 two because it's essentially a female<br/>20 urology or voiding dysfunction.<br/>21 Q. Was it a poster in connection<br/>22 with any consulting you were doing at the<br/>23 time?<br/>24 A. No.<br/>25 Q. When you first began performing</p> | <p style="text-align: right;">Page 154</p> <p>1 robotic laparoscopic sacrocolpopexies, were<br/>2 there any randomized, controlled trials of<br/>3 that procedure?<br/>4 A. We were the first in the world to<br/>5 do it so it was impossible to have that.<br/>6 Q. So when you began performing<br/>7 robotic laparoscopic sacrocolpopexies, there<br/>8 were no randomized, controlled trials on<br/>9 that procedure anywhere in the world;<br/>10 correct?<br/>11 A. That I am familiar with,<br/>12 correct. Yes.<br/>13 Q. When was the first randomized,<br/>14 controlled clinical trial involving robotic<br/>15 laparoscopic sacrocolpopexy published?<br/>16 A. I'm not familiar. I don't know.<br/>17 Q. You don't even know of one that's<br/>18 ever been published; correct?<br/>19 A. There may have been. I don't<br/>20 know. I'd have to do a literature search.<br/>21 Q. You've never been involved in a<br/>22 randomized, controlled trial involving the<br/>23 robotic laparoscopic sacrocolpopexy;<br/>24 correct?<br/>25 A. Correct.</p> |
| <p style="text-align: right;">Page 155</p> <p>1 Q. And since 2001, how many<br/>2 laparoscopic -- strike that.<br/>3 Since 2001, how many robotic --<br/>4 God, I can't talk.<br/>5 MR. ANDERSON: Great<br/>6 commercial.<br/>7 BY MR. SNELL:<br/>8 Q. Since 2001, how many robotic<br/>9 laparoscopic sacrocolpopexies have you done?<br/>10 A. 90.<br/>11 Q. Let's just finish up with the CV<br/>12 real quick.<br/>13 The 2000 "Issues in<br/>14 Incontinence" --<br/>15 A. Uh-huh.<br/>16 Q. -- non-peer-reviewed article that<br/>17 you identified --<br/>18 A. Yes.<br/>19 Q. -- is that something you have<br/>20 with you on a computer or anywhere that's<br/>21 convenient or is that back at your office or<br/>22 what?<br/>23 A. I don't have any copies, period.<br/>24 Q. So you've performed 90 robotic<br/>25 laparoscopic sacrocolpopexies since 2001.</p>  | <p style="text-align: right;">Page 156</p> <p>1 That's less than ten a year;<br/>2 correct?<br/>3 A. Correct.<br/>4 MR. SNELL: Let's mark this as<br/>5 the next exhibit.<br/>6 (Exhibit Elliott-3 was marked<br/>7 for identification.)<br/>8 BY MR. SNELL:<br/>9 Q. Doctor, I've handed you Exhibit<br/>10 Number 3.<br/>11 Do you recognize this as one of<br/>12 the articles that you published on<br/>13 robotic-assisted laparoscopic sacrocolpopexy<br/>14 for the treatment of vaginal vault prolapse?<br/>15 A. Correct.<br/>16 Q. This was an article published in<br/>17 2004; correct?<br/>18 A. By the copyright date, that's<br/>19 what it says, yes.<br/>20 Q. And was this one of the<br/>21 publications you earlier referenced in your<br/>22 deposition with regard to some of the early<br/>23 robotic laparoscopic sacrocolpopexy cases<br/>24 you had performed?<br/>25 A. I was referring to the one with</p>   |

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| <p style="text-align: right;">Page 157</p> <p>1 30 patients. This is one -- this is our<br/> 2 five -- first five. It was a feasibility<br/> 3 study. That's why it's in "Surgical<br/> 4 Techniques in Urology."<br/> 5 Q. Over on the right-hand column in<br/> 6 the paragraph that begins with<br/> 7 "Realizing" -- are you with me there?<br/> 8 A. Yes.<br/> 9 Q. You say, "The difficulties in<br/> 10 performing the procedure and the duration of<br/> 11 the operation has, however, limited its<br/> 12 use."<br/> 13 You're referring to the<br/> 14 laparoscopic sacrocolpopexy there?<br/> 15 A. That's what it states, yes.<br/> 16 Q. Turn to the next page, Figure 1.<br/> 17 This is a picture of the different ports and<br/> 18 -- strike that.<br/> 19 Figure 1 is a picture of the<br/> 20 different port placements associated with<br/> 21 the da Vinci robotic laparoscopic<br/> 22 sacrocolpopexy that you were performing?<br/> 23 A. Correct.<br/> 24 Q. And for the robotic laparoscopic<br/> 25 sacrocolpopexy, that involves the use of</p> | <p style="text-align: right;">Page 158</p> <p>1 trocars; correct?<br/> 2 A. Yes.<br/> 3 Q. What's the largest size trocar<br/> 4 used during this robotic laparoscopic<br/> 5 sacrocolpopexy?<br/> 6 A. Currently, I don't know because<br/> 7 they've decreased in size.<br/> 8 Q. Back then it would have been 12<br/> 9 millimeters --<br/> 10 A. That --<br/> 11 Q. -- to place the camera port?<br/> 12 A. That's correct.<br/> 13 Q. There would be a 10-millimeter<br/> 14 trocar; correct?<br/> 15 A. Yes.<br/> 16 Q. A couple 8-millimeter trocars;<br/> 17 correct?<br/> 18 A. Yes.<br/> 19 Q. A 5-millimeter trocar port one<br/> 20 hand breadth inferior laterally?<br/> 21 A. Yeah, that's what it states.<br/> 22 Yes.<br/> 23 Q. A little below that you note that<br/> 24 the two 8-millimeter robotic ports are<br/> 25 placed lateral to the rectus; correct?</p>   |
| <p style="text-align: right;">Page 159</p> <p>1 A. Well, it states, 8-millimeter<br/> 2 robotic ports placed at inferior lateral<br/> 3 rectus. So that's --<br/> 4 Q. I'm sorry. We must be at the<br/> 5 wrong --<br/> 6 A. I'm still on Figure 1.<br/> 7 Q. Okay.<br/> 8 A. That's what it describes there.<br/> 9 Q. I'm in the text now at the bottom<br/> 10 of Page 374, the last sentence in the first<br/> 11 column.<br/> 12 A. Yeah. Two 8-millimeter robotic<br/> 13 ports are placed lateral to the rectus two<br/> 14 finger breadths superior to the iliac crest.<br/> 15 Q. And when you use the term "two<br/> 16 finger breadths," that's a term that's been<br/> 17 used in your medical training; correct?<br/> 18 MR. ANDERSON: Objection.<br/> 19 Go ahead.<br/> 20 THE WITNESS: Well, two finger<br/> 21 breadths is just a -- a rough estimate. In<br/> 22 subsequent papers we actually use<br/> 23 centimeters. But in here it does say two<br/> 24 finger breadths.<br/> 25 BY MR. SNELL:</p>  | <p style="text-align: right;">Page 160</p> <p>1 Q. In your first description of your<br/> 2 use of the da Vinci robot to do prolapse<br/> 3 surgery you described the distance in finger<br/> 4 breadths.<br/> 5 A. Correct.<br/> 6 Q. Figure 3 is a -- says, "Silastic<br/> 7 Y-graft"; correct?<br/> 8 A. Yes.<br/> 9 Q. Is this the AMS graft that you<br/> 10 earlier identified or is this the Gore-Tex<br/> 11 graft?<br/> 12 A. No, this is not -- this is the<br/> 13 one in between the Gore-Tex and then the AMS<br/> 14 polypropylene. And then it says here,<br/> 15 "Silastic Y-graft." We used this only a<br/> 16 very short period of time.<br/> 17 Q. So tell me about this Silastic Y<br/> 18 graft. What kind of graft is that?<br/> 19 A. I -- well, it says, "Silastic<br/> 20 Y-graft." That's about all I know because I<br/> 21 don't -- I don't recall. Usually in the<br/> 22 manuscripts we put in who makes it and<br/> 23 things. We didn't do it in this.<br/> 24 Q. Take a look and you tell me.<br/> 25 A. Well, on quick review I don't see</p> |



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| <p style="text-align: right;">Page 161</p> <p>1 any indication of a manufacturer.</p> <p>2 Q. Well, what's your understanding</p> <p>3 of what type of material a Silastic graft</p> <p>4 is?</p> <p>5 A. Well, Silastic is Silastic. I</p> <p>6 don't -- I don't know anything else beyond</p> <p>7 that.</p> <p>8 Q. Is it mono-filament,</p> <p>9 multi-filament?</p> <p>10 A. I don't know.</p> <p>11 Q. Is it macro-porous or</p> <p>12 micro-porous?</p> <p>13 MR. ANDERSON: Objection.</p> <p>14 THE WITNESS: Yeah. I'm not a</p> <p>15 biomaterials expert, and I'd have to look at</p> <p>16 it and measure it and things.</p> <p>17 BY MR. SNELL:</p> <p>18 Q. Is it a synthetic material?</p> <p>19 A. Yes.</p> <p>20 Q. The Silastic grafts that you were</p> <p>21 using for prolapse, do you know if they were</p> <p>22 FDA approved for the treatment of prolapse?</p> <p>23 A. Well, since it was provided to me</p> <p>24 by a company, I don't know what, I'm going</p> <p>25 to assume it is.</p> | <p style="text-align: right;">Page 162</p> <p>1 Q. I'm not asking what you assumed.</p> <p>2 I'm asking if you know.</p> <p>3 Do you know, Doctor, whether</p> <p>4 the Silastic grafts you used in patients in</p> <p>5 your first robotic sacrocolpopexy series</p> <p>6 were FDA-cleared for the treatment of pelvic</p> <p>7 organ prolapse?</p> <p>8 A. I'm going to trust the company</p> <p>9 and say yes, it is.</p> <p>10 Q. What's the name of this company?</p> <p>11 A. That's what I don't know.</p> <p>12 Q. I'm not asking you to trust the</p> <p>13 company. I want to know, when you were</p> <p>14 placing this Silastic graft in patients in</p> <p>15 this sacrocolpopexy series, was that</p> <p>16 specific material FDA-cleared for the use of</p> <p>17 prolapse?</p> <p>18 MR. ANDERSON: Objection.</p> <p>19 Asked and answered a couple different times.</p> <p>20 MR. SNELL: I'm not asking what</p> <p>21 he suspects about a company. I'm saying,</p> <p>22 what did you know?</p> <p>23 MR. ANDERSON: I --</p> <p>24 BY MR. SNELL:</p> <p>25 Q. Did you know whether it was or</p> |
| <p style="text-align: right;">Page 163</p> <p>1 not?</p> <p>2 MR. ANDERSON: Objection. Same</p> <p>3 objection. Asked and answered.</p> <p>4 You may answer it one more</p> <p>5 time.</p> <p>6 THE WITNESS: I assumed since</p> <p>7 it's a Y-shaped mesh specifically for</p> <p>8 sacrocolpopexy and no other indication for</p> <p>9 use that it would be -- gone through the</p> <p>10 appropriate channels of being approved for</p> <p>11 use.</p> <p>12 BY MR. SNELL:</p> <p>13 Q. So you assumed.</p> <p>14 A. Correct.</p> <p>15 MR. ANDERSON: Asked and</p> <p>16 answered.</p> <p>17 BY MR. SNELL:</p> <p>18 Q. But you do not know; correct?</p> <p>19 A. No. I tend to trust the</p> <p>20 companies.</p> <p>21 Q. Over on the right side --</p> <p>22 A. Page 375?</p> <p>23 Q. Correct.</p> <p>24 It says your operative -- your</p> <p>25 average operative time was 3 hours, 42</p>   | <p style="text-align: right;">Page 164</p> <p>1 minutes; correct?</p> <p>2 A. Yes.</p> <p>3 Q. With a median of 3 hours, 30</p> <p>4 minutes; correct?</p> <p>5 A. Yes.</p> <p>6 Q. Average follow-up was four months</p> <p>7 in this publication; correct?</p> <p>8 A. Correct.</p> <p>9 Q. A little bit further down in the</p> <p>10 Comment section you talk about the placement</p> <p>11 in a non-invasive fashion while avoiding a</p> <p>12 midline abdominal incision; correct?</p> <p>13 A. I have to find out where you are.</p> <p>14 Q. First paragraph.</p> <p>15 MR. ANDERSON: I think it's,</p> <p>16 "The advantage of."</p> <p>17 THE WITNESS: Oh. "The</p> <p>18 advantage of using a robotic."</p> <p>19 Yeah, I see where it says</p> <p>20 that. Yes.</p> <p>21 BY MR. SNELL:</p> <p>22 Q. The midline abdominal incision,</p> <p>23 am I correct that there can be herniation at</p> <p>24 the site of that incision following an open</p> <p>25 abdominal sacrocolpopexy?</p>   |

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| <p style="text-align: right;">Page 165</p> <p>1 A. Yes.</p> <p>2 Q. Is that what you were referring</p> <p>3 to there in that particular sentence?</p> <p>4 A. I wasn't referring to -- I was</p> <p>5 referring to everything entailed in doing a</p> <p>6 midline lower abdominal incision, so not</p> <p>7 just limiting it to hernia.</p> <p>8 (Exhibit Elliott-4 was marked</p> <p>9 for identification.)</p> <p>10 BY MR. SNELL:</p> <p>11 Q. Doctor, I've handed you Exhibit</p> <p>12 Number 4.</p> <p>13 This is another publication in</p> <p>14 which you are one of the authors from 2004;</p> <p>15 correct?</p> <p>16 A. Yes.</p> <p>17 Q. Concerning the gynecologic use of</p> <p>18 robotically assisted laparoscopy, colon,</p> <p>19 sacrocolpopexy for the treatment of</p> <p>20 high-grade vaginal vault prolapse; correct?</p> <p>21 A. Yes.</p> <p>22 Q. This is in the "American Journal</p> <p>23 of Surgery"; correct?</p> <p>24 A. Yes.</p> <p>25 Q. And this is a series of 20</p>  | <p style="text-align: right;">Page 166</p> <p>1 patients; correct?</p> <p>2 A. Yes.</p> <p>3 Q. Who had undergone robotic-</p> <p>4 assisted laparoscopic sacrocolpopexy at the</p> <p>5 Mayo Clinic in the past 18 months; correct?</p> <p>6 I'm looking at the abstract. I'm not trying</p> <p>7 to trick you at all.</p> <p>8 A. I'm trying to find it.</p> <p>9 Q. Total of 20 patients?</p> <p>10 A. Yeah, I see the 20 patients at</p> <p>11 our institution, past 18 months. Yes.</p> <p>12 Q. So the answer to my question is</p> <p>13 yes?</p> <p>14 A. Yes, it is.</p> <p>15 Q. And under the "Surgical</p> <p>16 technique," this was using that same da</p> <p>17 Vinci Surgical System; correct?</p> <p>18 A. Yes.</p> <p>19 Q. By the way, back in 2004 how much</p> <p>20 did that da Vinci Surgical System cost?</p> <p>21 A. I don't know.</p> <p>22 Q. You know it cost over a million</p> <p>23 dollars; correct?</p> <p>24 A. I just said I don't know.</p> <p>25 Q. You've never heard or seen in the</p> |
| <p style="text-align: right;">Page 167</p> <p>1 literature that the cost of a da Vinci</p> <p>2 Surgical System is over a million dollars.</p> <p>3 A. Well, actually, at Mayo they were</p> <p>4 given to me, so they were free.</p> <p>5 Q. For other institutions that</p> <p>6 aren't so fortunate as the Mayo Clinic to</p> <p>7 get free things given to them have you seen</p> <p>8 in the literature that it may cost over a</p> <p>9 million dollars for the da Vinci Surgical</p> <p>10 System?</p> <p>11 MR. ANDERSON: Objection.</p> <p>12 THE WITNESS: No, I have not.</p> <p>13 BY MR. SNELL:</p> <p>14 Q. How did the Mayo Clinic come to</p> <p>15 get these da Vinci Surgical Systems --</p> <p>16 A. I don't know.</p> <p>17 Q. -- for free?</p> <p>18 A. I don't know.</p> <p>19 Q. How do you know they were given</p> <p>20 to the Mayo Clinic?</p> <p>21 A. That's what I heard.</p> <p>22 Q. Who did you hear it from?</p> <p>23 A. Chairman of my department.</p> <p>24 Q. Chairman of surgery or --</p> <p>25 A. Urology.</p> | <p style="text-align: right;">Page 168</p> <p>1 Q. Urology?</p> <p>2 Figure 1 is a similar figure to</p> <p>3 what we looked at in your earlier papers</p> <p>4 showing the different port placements;</p> <p>5 correct?</p> <p>6 A. It is the same picture.</p> <p>7 Q. Whose hand is that demonstrating?</p> <p>8 A. Mine. At least, I assume it's</p> <p>9 mine. That's where I stand so...</p> <p>10 Q. Who placed the ports when you do</p> <p>11 this procedure?</p> <p>12 A. Dr. Chow.</p> <p>13 Q. Who places the trocars first?</p> <p>14 A. Dr. Chow.</p> <p>15 Q. Now, in these 20 patients there</p> <p>16 is a Y-sling silicone mesh that was placed?</p> <p>17 A. Correct.</p> <p>18 Q. Is this the same mesh that we saw</p> <p>19 in the initial case series of five patients?</p> <p>20 A. Yes.</p> <p>21 Q. Was this mesh recut by whoever</p> <p>22 supplied it or did the surgeon team cut the</p> <p>23 mesh?</p> <p>24 A. It comes like this. This picture</p> <p>25 is what's right out of the box.</p>  |

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| <p style="text-align: right;">Page 169</p> <p>1 Q. So the Silastic Y-graft and the<br/>2 silicone Y-sling are both the exact same<br/>3 thing.<br/>4 A. Correct. Yes.<br/>5 Q. In this group of 20 patients<br/>6 there were some complications identified on<br/>7 Page 54-S; correct?<br/>8 A. 54-S.<br/>9 MR. ANDERSON: 54. This one<br/>10 right here, I think.<br/>11 BY MR. SNELL:<br/>12 Q. Let me just ask a question.<br/>13 A. Oh. Sorry.<br/>14 Q. There were some complications<br/>15 reported in your paper; correct?<br/>16 A. Yes.<br/>17 Q. They included mild port site<br/>18 infections in two patients; correct?<br/>19 A. Yes.<br/>20 Q. You had a patient who developed a<br/>21 recurrent grade-three rectocele; correct?<br/>22 A. Yes.<br/>23 Q. Another patient developed a small<br/>24 erosion six months after the procedure?<br/>25 A. Yes.</p>  | <p style="text-align: right;">Page 170</p> <p>1 Q. Correct?<br/>2 That was managed with<br/>3 outpatient transvaginal excision; correct?<br/>4 A. Yes.<br/>5 Q. Significant incontinence was<br/>6 present in 2 of your 20 patients; correct?<br/>7 A. Correct.<br/>8 Q. Turn to the next page.<br/>9 A. (Witness complies.)<br/>10 Q. Does this refresh your<br/>11 recollection as to what the purchase cost of<br/>12 a da Vinci Surgical System is --<br/>13 A. Yes.<br/>14 Q. -- that you put in your paper?<br/>15 A. Yep.<br/>16 Q. And what is it?<br/>17 A. \$1 million.<br/>18 Q. And in many facilities the cost<br/>19 is prohibitive; correct?<br/>20 A. I -- I -- I can't agree with<br/>21 that, actually, no.<br/>22 Q. Well, you wrote, Doctor,<br/>23 "Although it is true that the device reduces<br/>24 operative time, for many facilities the cost<br/>25 is prohibitive"; correct?</p>  |
| <p style="text-align: right;">Page 171</p> <p>1 A. Uh-huh. That was in 2004, when I<br/>2 wrote it. We're talking now 2012.<br/>3 Many facilities, if they do not<br/>4 have a robot, will not find themselves<br/>5 competitive so many hospitals, even small<br/>6 ones, are buying these. Specifically in<br/>7 Minnesota, there are hospitals much smaller<br/>8 than Mayo who have more robots than Mayo<br/>9 because it's a competition issue. It<br/>10 doesn't mean that competition is right, but<br/>11 it happens.<br/>12 Q. The trocars with the da Vinci<br/>13 robotic system, am I correct that they are<br/>14 designed to stop functioning after ten uses?<br/>15 A. I don't -- I don't know on that<br/>16 because I'm not a robot expert, but there is<br/>17 -- there is a life expectancy to the actual<br/>18 arms, you know. I don't know what the<br/>19 number is, though.<br/>20 Q. Do you know if there are chips in<br/>21 these robots that program them to shut down<br/>22 after a certain number of uses?<br/>23 A. Yes, I do know that.<br/>24 Q. How many?<br/>25 A. I don't know.</p> | <p style="text-align: right;">Page 172</p> <p>1 Q. The series, Doctor, you mentioned<br/>2 earlier, was it 30 cases or --<br/>3 A. I believe 30, yes.<br/>4 Q. Can you point me to the<br/>5 publication in your CV? Maybe that will<br/>6 help me find it and we can discuss it. Did<br/>7 you give it back to me?<br/>8 A. Yeah. I believe it's --<br/>9 MR. ANDERSON: Let's see if<br/>10 it's here. Yeah.<br/>11 THE WITNESS: It might be 28 or<br/>12 -- Number 28, 29, because I -- because I'm<br/>13 continually evolving.<br/>14 MR. SNELL: Okay.<br/>15 THE WITNESS: I'd have to --<br/>16 see, there's another one, Number 42. So I<br/>17 don't know which one it is. Because each<br/>18 one, we're reviewing the same patients and<br/>19 following them longer.<br/>20 (Exhibit Elliott-5 was marked<br/>21 for identification.)<br/>22 THE WITNESS: Oh, that's 30<br/>23 patients. This is the one.<br/>24 MR. SNELL: Okay.<br/>25 BY MR. SNELL:</p> |

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| <p style="text-align: right;">Page 173</p> <p>1 Q. So, Doctor, you've been given<br/>2 Exhibit Number 5; correct?<br/>3 A. Correct.<br/>4 Q. This is a paper in which you're<br/>5 one of the co-authors. The title is<br/>6 "Long-Term Results of Robotic Assisted<br/>7 Laparoscopic Sacrocolpopexy for the<br/>8 Treatment of High Grade Vaginal Vault<br/>9 Prolapse"?<br/>10 A. That is correct.<br/>11 Q. And it looks like this was<br/>12 published August 2006 in the Journal of<br/>13 Urology; correct?<br/>14 A. Journal of Urology, 2006, yes.<br/>15 Q. And was this the paper in which<br/>16 you referred to the 30-patient cohort?<br/>17 A. Yes.<br/>18 Q. Doctor, the two articles we<br/>19 looked at that you are a co-author in from<br/>20 2004 involved 5 patients and then 20<br/>21 patients, they all involved this silicone<br/>22 mesh; correct?<br/>23 A. Correct.<br/>24 Q. Now, this paper has a photo at<br/>25 Figure 3 of a polypropylene Y-graft;</p>   | <p style="text-align: right;">Page 174</p> <p>1 correct?<br/>2 A. That is correct.<br/>3 Q. Is this a different cohort of<br/>4 patients?<br/>5 A. No. It's both. It's included --<br/>6 it's the entire series. At some point in<br/>7 time we changed over to using this new mesh.<br/>8 Q. So you did at least 20 cases with<br/>9 the silicone mesh; correct?<br/>10 A. I would have to -- whatever --<br/>11 yeah. I know -- I remember, recall. It was<br/>12 20 patients on that. So I would assume we<br/>13 used the same silicone mesh on all those.<br/>14 Q. And at most, this would be 10 new<br/>15 patients with polypropylene mesh.<br/>16 A. Yes. Apparently so, yes.<br/>17 Q. Figure 1, the laparoscopic port<br/>18 placement, is this the same photo that we<br/>19 saw in the earlier two publications from<br/>20 2004?<br/>21 A. Yes.<br/>22 Q. What is shown in Figure 2?<br/>23 A. It's a hand-held retractor that's<br/>24 used, that I am actually the one holding at<br/>25 the time of surgery to help facilitate the</p> |
| <p style="text-align: right;">Page 175</p> <p>1 dissection and placement of the sutures.<br/>2 It's placed into the vagina.<br/>3 Q. How is this used?<br/>4 A. The patient is --<br/>5 Q. Strike that. Let me ask an<br/>6 intelligible question that makes sense on<br/>7 the record.<br/>8 How is this hand-held vaginal<br/>9 retractor used, as depicted in Figure 3 of<br/>10 your --<br/>11 A. Figure 2.<br/>12 Q. I'm sorry. Let me try it again.<br/>13 How is this hand-held vaginal<br/>14 retractor used, which is depicted in Figure<br/>15 2 of your 2006 publication, Doctor?<br/>16 A. The patient is in lithotomy<br/>17 position, which means she's on her back with<br/>18 legs in stirrups. The robot is then placed<br/>19 between the legs.<br/>20 This vaginal retractor is, as<br/>21 it says, hand-held, where I am holding it<br/>22 and elevating, retracting, moving the vagina<br/>23 various different directions to aid in the<br/>24 robot's dissection and suture placement. So<br/>25 we're able to do more precise, under direct</p> | <p style="text-align: right;">Page 176</p> <p>1 vision exactly where we want our sutures to<br/>2 go.<br/>3 Q. So this is inserted into the<br/>4 vagina.<br/>5 A. Correct.<br/>6 Q. The robot does the dissection<br/>7 then.<br/>8 A. Correct.<br/>9 Q. Turn to the next page, 658.<br/>10 So two patients in this series<br/>11 have developed small vaginal extrusions of<br/>12 mesh; correct?<br/>13 A. Yes.<br/>14 Q. Each extrusion developed six<br/>15 months following the procedure; correct?<br/>16 A. Yes.<br/>17 Q. And they were managed with<br/>18 transvaginal excision and primary closure;<br/>19 correct?<br/>20 A. Yes.<br/>21 Q. Now, by this time in August 2006,<br/>22 had any randomized, controlled trials been<br/>23 done on the robotic laparoscopic<br/>24 sacrocolpopexy?<br/>25 A. I am unaware of any.</p>  |

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| <p style="text-align: right;">Page 177</p> <p>1 MR. SNELL: We've been going<br/>2 for a while. Why don't we take a little<br/>3 break.<br/>4 MR. ANDERSON: Okay.<br/>5 (Recess, 3:04-3:20 p.m.)<br/>6 BY MR. SNELL:<br/>7 Q. Doctor, I wanted to circle back<br/>8 around.<br/>9 Do you have Exhibit 4 handy?<br/>10 A. Yes, I do.<br/>11 MR. ANDERSON: Let me hold that<br/>12 for you.<br/>13 THE WITNESS: Yes, I have it.<br/>14 BY MR. SNELL:<br/>15 Q. Under the "Surgical technique" --<br/>16 A. Okay.<br/>17 Q. -- on the right side you talk<br/>18 about patients placed in the dorsal<br/>19 lithotomy position.<br/>20 Do you see where I'm at?<br/>21 A. Second or first full paragraph,<br/>22 yes.<br/>23 Q. Yeah. Next paragraph, it says<br/>24 that abdominal insufflation is performed<br/>25 using a varus needle; correct?</p>  | <p style="text-align: right;">Page 178</p> <p>1 A. Yes.<br/>2 Q. That's where a needle is placed<br/>3 through the abdomen to --<br/>4 A. Well, not through.<br/>5 Q. -- separate the space?<br/>6 A. Not through the abdomen. Into<br/>7 the abdomen.<br/>8 Q. Into the abdomen. And it's to<br/>9 separate the space.<br/>10 A. Well, it's to fill it with air or<br/>11 CO2, yes.<br/>12 Q. Let's see if we can break that<br/>13 down.<br/>14 A needle is placed into the<br/>15 abdomen; correct?<br/>16 A. Correct.<br/>17 Q. Varus needle, is that a<br/>18 particular type of needle or is that --<br/>19 A. Yeah, it's a specific type of<br/>20 needle. I don't know what gauge it is.<br/>21 It's a little bit larger, to allow --<br/>22 roughly, it's about 8 centimeters long, to<br/>23 allow the air to get in or the CO2 to get<br/>24 access into the abdomen.<br/>25 Q. And the CO2 is placed through the</p>                              |
| <p style="text-align: right;">Page 179</p> <p>1 needle into the abdomen.<br/>2 A. Correct.<br/>3 Q. And that separates the space.<br/>4 A. Well, not separates it. It fills<br/>5 it with CO2 so you can see inside. I mean,<br/>6 technically, yes, separates. Yeah.<br/>7 Q. And the abdominal insufflation<br/>8 using this varus needle is performed<br/>9 blindly; correct?<br/>10 A. Yes.<br/>11 Q. And there can be injury with<br/>12 abdominal insufflation using a varus needle;<br/>13 correct?<br/>14 A. Yes.<br/>15 Q. And this was known to you back in<br/>16 2004, when you were performing this part of<br/>17 the procedure; correct?<br/>18 A. Yes.<br/>19 Q. As a surgeon, were you trained to<br/>20 use your hands and palpate during surgery?<br/>21 A. That would be part of it, yes.<br/>22 Q. That's how you were trained;<br/>23 correct?<br/>24 A. Well, no. I mean, I was also<br/>25 trained to hold instruments and tie knots</p> | <p style="text-align: right;">Page 180</p> <p>1 so --<br/>2 Q. I'm not saying that's the<br/>3 entirety of how you were trained.<br/>4 A. Well, palpate what?<br/>5 Q. When you were performing surgical<br/>6 procedures, were you trained to palpate<br/>7 during those procedures to aid you?<br/>8 A. Well, "palpate" is not a word I<br/>9 use.<br/>10 You use all the senses given to<br/>11 you -- not all of them, majority of them --<br/>12 to perform the surgery appropriately. So<br/>13 the tactile feedback and feeling is one of<br/>14 them. I'd prefer to use that as opposed to<br/>15 palpate.<br/>16 Q. So the tactile feeling and<br/>17 feedback is one of the modes in which you<br/>18 were trained on as a surgeon.<br/>19 A. Correct.<br/>20 Q. And you would agree that injury<br/>21 can occur during a surgery, even under<br/>22 direct visualization.<br/>23 A. Yes.<br/>24 MR. SNELL: Let's mark another<br/>25 exhibit.</p> |

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| <p style="text-align: right;">Page 181</p> <p>1 (Exhibit Elliott-6 was marked<br/>2 for identification.)<br/>3 BY MR. SNELL:<br/>4 Q. Doctor, you mentioned studies<br/>5 that you have been involved in on rabbits<br/>6 and different types of materials, autologous<br/>7 materials, polypropylene.<br/>8 Was this one of the studies you<br/>9 were referring to?<br/>10 A. Yes.<br/>11 Q. And this was a study that was<br/>12 published in 2004; correct? May 2004;<br/>13 right?<br/>14 A. May 2004. You are correct.<br/>15 Q. It was a study in 15 rabbits,<br/>16 white New Zealand rabbits, I believe?<br/>17 A. New Zealand -- yes, 15 rabbits.<br/>18 Q. And what you did was each rabbit<br/>19 was implanted with different materials;<br/>20 correct?<br/>21 A. Yes.<br/>22 Q. Human cadaveric fascia, porcine<br/>23 dermis, porcine small intestine, submucosa,<br/>24 polypropylene mesh and autologous fascia;<br/>25 correct?</p> | <p style="text-align: right;">Page 182</p> <p>1 A. Yes.<br/>2 Q. And that was implanted along the<br/>3 anterior rectus fascia; correct?<br/>4 A. Yes.<br/>5 Q. Figure 1 has a depiction of the<br/>6 actual different materials as implanted;<br/>7 correct?<br/>8 A. That is correct.<br/>9 Q. And you wanted to investigate<br/>10 time-dependent variations in tensile<br/>11 strength, stiffness, shrinkage, and<br/>12 distortion; correct?<br/>13 A. Yes.<br/>14 Q. In six materials commonly used<br/>15 for transvaginal anti-incontinence surgery;<br/>16 correct?<br/>17 A. Yes.<br/>18 Q. So shrinkage is one of the things<br/>19 you looked at in 2004; right?<br/>20 A. I'm just reviewing the paper.<br/>21 Q. First line under "Purpose."<br/>22 A. "Purpose." Shrinkage, yes.<br/>23 Q. So you looked at the degree of<br/>24 shrinkage with these different materials,<br/>25 including polypropylene mesh, in 2004;</p>  |
| <p style="text-align: right;">Page 183</p> <p>1 correct?<br/>2 A. That is correct.<br/>3 Q. You earlier mentioned -- strike<br/>4 that.<br/>5 You earlier referenced that<br/>6 fibrosis was later recognized to be<br/>7 shrinkage.<br/>8 Do you recall, in general, your<br/>9 testimony?<br/>10 A. I remember mentioning something<br/>11 along that lines, yes.<br/>12 Q. Just so -- and you -- and I<br/>13 believe you testified you thought you later<br/>14 came to learn that?<br/>15 A. Yeah. When we're looking at<br/>16 shrinkage in this manuscript, we're focusing<br/>17 mainly on autologous and cadaveric tissues,<br/>18 and then what I was referencing in the<br/>19 deposition was the increased fibrosis, as we<br/>20 mentioned in here, and we're looking --<br/>21 because this is 2003 when the study was<br/>22 done.<br/>23 Q. Right.<br/>24 A. Or actually it was started in<br/>25 2002.</p>                            | <p style="text-align: right;">Page 184</p> <p>1 Looking back now, that<br/>2 increased fibrosis we would say would be<br/>3 leading to contraction and shrinkage.<br/>4 Q. Just so I'm clear, this study was<br/>5 completed in 2003; correct?<br/>6 A. Yes.<br/>7 Q. And it included shrinkage of the<br/>8 mesh in it; right?<br/>9 A. Yes, that is one of the factors.<br/>10 Yes.<br/>11 Q. In fact, if you turn to Figure 3,<br/>12 of the different materials where you<br/>13 assessed the percent reduction in surface<br/>14 area --<br/>15 A. Uh-huh.<br/>16 Q. And that's shrinkage; correct?<br/>17 A. Yes.<br/>18 Q. -- the polypropylene mesh had the<br/>19 lowest percent reduction of surface area of<br/>20 any of the materials you studied; correct?<br/>21 A. That is correct. Which is known<br/>22 by Johnson &amp; Johnson. I found this paper in<br/>23 their internal documents referencing it.<br/>24 Q. Besides your paper in 2003, mesh<br/>25 contraction had been reported in the</p> |



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| <p style="text-align: right;">Page 185</p> <p>1 literature long before that time; correct?</p> <p>2 A. I suppose so, yes. I don't know.</p> <p>3 Q. The human cadaveric fascia and</p> <p>4 porcine allografts showed marked decrease in</p> <p>5 tensile strength; correct?</p> <p>6 A. Again, I'd have to go back and</p> <p>7 look at the paper. Off the top of my</p> <p>8 head --</p> <p>9 Q. I'm right there, right in the</p> <p>10 "Results."</p> <p>11 MR. ANDERSON: He's looking</p> <p>12 at --</p> <p>13 THE WITNESS: Yes.</p> <p>14 BY MR. SNELL:</p> <p>15 Q. And they had marked decrease in</p> <p>16 stiffness from baseline; correct?</p> <p>17 A. Yes.</p> <p>18 Q. Polypropylene mesh and autologous</p> <p>19 fascia did not differ in tensile strength</p> <p>20 from baseline; correct?</p> <p>21 A. Yes.</p> <p>22 Q. Polypropylene mesh increased in</p> <p>23 stiffness from baseline; correct?</p> <p>24 A. Yes.</p> <p>25 Q. The autologous fascia and small</p>                               | <p style="text-align: right;">Page 186</p> <p>1 intestinal submucosa demonstrated a 41</p> <p>2 percent and 50 percent decrease in surface</p> <p>3 area respectively at 12 weeks.</p> <p>4 A. I'm sorry. I lost where you are.</p> <p>5 Q. Right there on the "Results"</p> <p>6 section of the abstract of your paper in</p> <p>7 2003.</p> <p>8 MR. ANDERSON: Well, he's just</p> <p>9 trying to get to the point where you're</p> <p>10 reading from.</p> <p>11 THE WITNESS: Okay. I heard</p> <p>12 what you had to say. I just wanted to know</p> <p>13 where we are. Page 1971, second column.</p> <p>14 BY MR. SNELL:</p> <p>15 Q. "Results."</p> <p>16 A. "Results."</p> <p>17 Q. At the very front. No. No. I'm</p> <p>18 sorry. Doctor. In the very front, in the</p> <p>19 "Abstract."</p> <p>20 A. Oh, in the "Abstract." Okay.</p> <p>21 Q. So you were looking at the</p> <p>22 "Results" section.</p> <p>23 A. Yes.</p> <p>24 Q. I was looking at the "Results"</p> <p>25 part of the abstract. I see. No problem.</p>   |
| <p style="text-align: right;">Page 187</p> <p>1 "Autologous fascia and small</p> <p>2 intestinal submucosa demonstrated a 41% and</p> <p>3 50% decrease in surface area, respectively,</p> <p>4 at 12 weeks"; correct?</p> <p>5 A. Yes. Correct.</p> <p>6 Q. On Page 1970 on the right-hand</p> <p>7 column. I'm going to show you where I'm</p> <p>8 looking, Doctor?</p> <p>9 A. Yes. I saw it highlighted.</p> <p>10 Q. "Polypropylene mesh slings can</p> <p>11 typically be placed in an outpatient</p> <p>12 setting."</p> <p>13 So you wrote that?</p> <p>14 A. Yes.</p> <p>15 Q. That's consistent with your</p> <p>16 clinical practice as well; correct?</p> <p>17 A. Correct.</p> <p>18 Q. In fact, you've said that</p> <p>19 placement of these slings can be performed</p> <p>20 in about 15 minutes; correct?</p> <p>21 A. 15 to 20, yes.</p> <p>22 Q. But they have a finite risk of</p> <p>23 erosion, extrusion and infection; correct?</p> <p>24 A. Yes.</p> <p>25 Q. You were aware of the risk of</p> | <p style="text-align: right;">Page 188</p> <p>1 mesh erosion in 2003 when you wrote this</p> <p>2 paper; correct?</p> <p>3 A. Yes.</p> <p>4 Q. You were aware of the risk of</p> <p>5 mesh extrusion in 2003 when you wrote this</p> <p>6 paper; correct?</p> <p>7 A. Yes. In the -- in the setting of</p> <p>8 slings, yes, which is a very important</p> <p>9 aspect of that.</p> <p>10 Q. Towards the end of your paper --</p> <p>11 A. Okay.</p> <p>12 Q. -- second-to-last paragraph, you</p> <p>13 say, "Recent studies showed higher than</p> <p>14 expected intermediate failure rates for</p> <p>15 cadaveric fascia lata slings"?</p> <p>16 A. Yes.</p> <p>17 Q. Is that some of the data which</p> <p>18 you were earlier referring to when you</p> <p>19 discussed your preference to use synthetic</p> <p>20 slings over autologous and cadaveric slings?</p> <p>21 A. No. What I was referring to was</p> <p>22 Brubaker's paper on sacrocolpopexy</p> <p>23 specifically. So, no, I was not -- was not</p> <p>24 referencing this.</p> <p>25 Q. You say, "processed cadaveric</p> |

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| <p style="text-align: right;">Page 189</p> <p>1 fascia lata grafts have been shown to retain<br/>2 antigenicity."<br/>3 A. Uh-huh.<br/>4 Q. Did I --<br/>5 A. Yeah.<br/>6 Q. -- pronounce it correctly?<br/>7 A. Yeah. Pretty good.<br/>8 Q. What is that, Doctor?<br/>9 A. That just means that -- you know,<br/>10 I'm not an immunologist so I'll give an<br/>11 infantile answer for it. It is that the<br/>12 theoretical possibility that fascia lata<br/>13 from a cadaver can still retain some of its<br/>14 antigens, so that the body views it as not<br/>15 them.<br/>16 Q. And in the literature that's been<br/>17 discussed in the context of patients who<br/>18 rejects cadaveric slings.<br/>19 A. Not reject. They're worried<br/>20 about the long-term, 20-, 30-, 40-year<br/>21 history with prions, P-R-I-O-N-S, and the<br/>22 potential transmission of disease processes<br/>23 such as Creutzfeldt-Jakob. There's several<br/>24 of those names. But no, we're not worried<br/>25 about rejection necessarily. No, actually</p> | <p style="text-align: right;">Page 190</p> <p>1 not at all. It's infectious transmission.<br/>2 Q. So the concern with cadaveric<br/>3 fascia lata grafts in this context that you<br/>4 wrote in 2003 pertained to the transmission<br/>5 of infection.<br/>6 A. Correct. That's specifically<br/>7 antigenicity, which you pronounced better<br/>8 than I just did, is pertaining to that<br/>9 infectious transmission long term.<br/>10 Q. At the end of that paragraph you<br/>11 say, "The biomechanical results of the<br/>12 current study support the use of<br/>13 polypropylene mesh for sling surgery<br/>14 relative to other nonautologous materials";<br/>15 correct?<br/>16 A. Yes.<br/>17 (Exhibit Elliott-7 was marked<br/>18 for identification.)<br/>19 BY MR. SNELL:<br/>20 Q. All right. Doctor, I've handed<br/>21 you Exhibit Number 7, which is another paper<br/>22 in which you are a co-author on from 2006 --<br/>23 A. Yes, I have it.<br/>24 Q. -- in the Journal of Urology;<br/>25 correct?</p> |
| <p style="text-align: right;">Page 191</p> <p>1 A. Yes.<br/>2 Q. And this was a study that you<br/>3 completed in 2005; correct?<br/>4 A. Well, no. The paper was finished<br/>5 in 2005 so I don't know, actually, when the<br/>6 study was completed. It would have been in<br/>7 that time frame, 2004, 2005.<br/>8 Q. And this was another study in<br/>9 rabbits?<br/>10 A. Correct. Same kind of rabbits,<br/>11 New Zealand rabbits, I believe.<br/>12 Q. And one of the things you looked<br/>13 at in this study was inflammation associated<br/>14 with the different implants; correct?<br/>15 A. Yes.<br/>16 Q. And of the different materials,<br/>17 polypropylene mesh had the lowest degree of<br/>18 inflammation; correct?<br/>19 A. That's what we found at our<br/>20 12-week study, yes.<br/>21 Q. Did you ever do a follow-up study<br/>22 to this longer-term data that showed<br/>23 something different than that?<br/>24 A. No. No.<br/>25 Q. Whenever you do a surgery,</p>   | <p style="text-align: right;">Page 192</p> <p>1 Doctor, any kind of surgery, and you make<br/>2 incisions, the body's natural response is to<br/>3 try to heal; correct?<br/>4 A. Yes.<br/>5 Q. Setting aside cases where<br/>6 somebody is, you know, highly<br/>7 immunosuppressed, in general, we can agree<br/>8 that the body normally tries to heal.<br/>9 A. Yes.<br/>10 Q. And for a surgery involving basic<br/>11 incisions, the body's natural response is to<br/>12 try to heal that area and form a scar;<br/>13 correct?<br/>14 A. I don't know what you mean by the<br/>15 basic incisions.<br/>16 Q. If an incision is made on your<br/>17 arm during surgery to place pins in one of<br/>18 the bones, the body's natural response is to<br/>19 try to heal that incision area and form a<br/>20 scar; correct?<br/>21 A. The body -- the body -- the goal<br/>22 of the body is to heal itself, yes.<br/>23 Correct.<br/>24 Q. And scar formation is the way<br/>25 that the body heals itself.</p>            |

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| <p style="text-align: right;">Page 193</p> <p>1 A. I --</p> <p>2 MR. ANDERSON: Objection.</p> <p>3 Go ahead.</p> <p>4 THE WITNESS: Yes. But in your</p> <p>5 example, putting the pins in the body, now</p> <p>6 you've got a foreign body reaction. So now</p> <p>7 the body might not be able to heal itself or</p> <p>8 it may go into overdrive and attempt to heal</p> <p>9 itself and now you have a -- a poor</p> <p>10 environment for healing.</p> <p>11 BY MR. SNELL:</p> <p>12 Q. You know pins have been used in</p> <p>13 orthopedic surgeries for decades?</p> <p>14 A. I -- I assume so. I don't know.</p> <p>15 Because I'm not an orthopedic surgeon.</p> <p>16 Q. Explain to me the process, then,</p> <p>17 Doctor, by which the body heals itself when</p> <p>18 you have something like an incision and you</p> <p>19 put stitches in the incision. How does the</p> <p>20 body go about healing itself?</p> <p>21 A. It is an incredibly complicated</p> <p>22 and still to this date poorly understood</p> <p>23 process. Myself as a urologist are not</p> <p>24 going to understand all the nuances.</p> <p>25 Actually, it gets into immunology.</p> | <p style="text-align: right;">Page 194</p> <p>1 There is a whole cascade of</p> <p>2 events that happens as soon as there is a</p> <p>3 break in the skin and blood is spilled</p> <p>4 because that sets off this cascade, which</p> <p>5 I'm not, by no means, am going to be an</p> <p>6 expert on. But then that sets off</p> <p>7 platelets, it sets off the immune response,</p> <p>8 neutrophils, which incorporate macrophages.</p> <p>9 It is an amazingly complicated</p> <p>10 and incredible cascade of events. Anything</p> <p>11 that inhibits that, whether it be a pin in</p> <p>12 the arm, which can get infected or create</p> <p>13 any type of foreign body response or</p> <p>14 infection, will -- can inhibit that proper</p> <p>15 cascade.</p> <p>16 Q. How large are neutrophils?</p> <p>17 A. That is a question that is still</p> <p>18 evolving. Again, I'm not an immunologist;</p> <p>19 however, it depends upon what type of</p> <p>20 neutrophils you're talking about because</p> <p>21 neutrophils are different throughout the</p> <p>22 body. Are you talking in the lung? Are you</p> <p>23 talking in the pelvis? All the --</p> <p>24 Q. Let's talk about neutrophils in</p> <p>25 the pelvis, neutrophils that are involved in</p> |
| <p style="text-align: right;">Page 195</p> <p>1 the body's tissue integration with regard to</p> <p>2 pelvic mesh.</p> <p>3 A. Okay. Now then I'll have to ask</p> <p>4 more questions. Is this when these</p> <p>5 neutrophils are at rest, so to speak, or are</p> <p>6 these neutrophils, once they have been</p> <p>7 activated and are starting to be involved in</p> <p>8 phagocytosis and moving around and picking</p> <p>9 up debris? Because neutrophils, i.e.,</p> <p>10 macrophages, gobble up -- again, that's not</p> <p>11 a good academic term, but they -- they</p> <p>12 incorporate debris. So they can become very</p> <p>13 large. So I cannot give you --</p> <p>14 Q. Before they incorporate debris.</p> <p>15 A. I would say you can have a range</p> <p>16 of 20 to 80 microns.</p> <p>17 Q. So just so I have this correct,</p> <p>18 neutrophils before they gobble up anything</p> <p>19 can be up to the size of 80 microns.</p> <p>20 A. I've seen reports with</p> <p>21 macrophages up to 4,000 microns.</p> <p>22 Q. Macrophages, yeah. I want to</p> <p>23 talk about --</p> <p>24 A. Well, but that's a subset.</p> <p>25 Q. Okay.</p>     | <p style="text-align: right;">Page 196</p> <p>1 A. I think the immune system is</p> <p>2 insanely complicated. There's no lawyer in</p> <p>3 this room who understands them. I am a</p> <p>4 surgeon who has been studying it. I don't</p> <p>5 understand it. And immunologists are just</p> <p>6 beginning to understand it. Okay.</p> <p>7 So I can give you a preliminary</p> <p>8 explanation, actually, from what I've read.</p> <p>9 But, yes, alveolar macrophages, 4,000</p> <p>10 microns is in the data out there.</p> <p>11 So when you say neutrophils,</p> <p>12 you are actually by default saying</p> <p>13 macrophages because that is a subset.</p> <p>14 Q. So are alveolar macrophages</p> <p>15 involved in tissue integration with mesh?</p> <p>16 A. They sure can be.</p> <p>17 Q. I'm not talking about can be.</p> <p>18 I'm asking, are they? I want to know, are</p> <p>19 they?</p> <p>20 MR. ANDERSON: Objection.</p> <p>21 Go ahead.</p> <p>22 THE WITNESS: Well, I just</p> <p>23 answered that. See, the -- what I can -- I</p> <p>24 can be a smart aleck and say, do you know</p> <p>25 what alveolar macrophages are?</p>   |

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| <p style="text-align: right;">Page 197</p> <p>1 BY MR. SNELL:</p> <p>2 Q. No.</p> <p>3 A. The answer is going to be no.</p> <p>4 Q. But I'm not the doctor.</p> <p>5 A. But if you have thoracic wall</p> <p>6 hernias that are repaired, then the alveolar</p> <p>7 macrophages can be involved in that, yes.</p> <p>8 Q. I thought we were talking about</p> <p>9 for prolapse.</p> <p>10 A. Read your question.</p> <p>11 MR. ANDERSON: But you changed</p> <p>12 it to mesh and that's why he was having a</p> <p>13 problem when you just said mesh.</p> <p>14 See? Alveolar macrophages</p> <p>15 involved in tissue integration with mesh is</p> <p>16 what you said.</p> <p>17 MR. SNELL: Okay.</p> <p>18 BY MR. SNELL:</p> <p>19 Q. Are alveolar --</p> <p>20 A. Alveolar.</p> <p>21 Q. -- alveolar macrophages involved</p> <p>22 in tissue integration with the mesh used in</p> <p>23 pelvic organ prolapse?</p> <p>24 A. Well, the mesh used in pelvic</p> <p>25 organ prolapse can also be used up in</p>  | <p style="text-align: right;">Page 198</p> <p>1 thoracic wall hernias.</p> <p>2 Q. But I'm not talking about</p> <p>3 thoracic wall hernias right now.</p> <p>4 A. I'm sorry. But I was answering</p> <p>5 your question.</p> <p>6 If you want to be specific in</p> <p>7 the mesh, that is used for the purpose of</p> <p>8 healing pelvic organ prolapse. Alveolar</p> <p>9 macrophages are not in that.</p> <p>10 Q. Have you seen it reported in the</p> <p>11 medical literature that macrophages that are</p> <p>12 associated with tissue integration for mesh</p> <p>13 in pelvic organ prolapse are approximately</p> <p>14 20 to 30 microns in size?</p> <p>15 A. Well, that goes back to my</p> <p>16 answer. I said 20 up to 80. And I am not</p> <p>17 an expert in this. I'm just saying what I</p> <p>18 have read in the work of others.</p> <p>19 Q. What type of neutrophils or</p> <p>20 macrophages involved in the tissue response</p> <p>21 for mesh for pelvic organ prolapse are</p> <p>22 between 50 and 80 microns?</p> <p>23 MR. ANDERSON: I'm going to</p> <p>24 object.</p> <p>25 He's not being offered as an</p> |
| <p style="text-align: right;">Page 199</p> <p>1 expert in the area of immunology or</p> <p>2 pathology or pathophysiology. So with those</p> <p>3 objections in mind, if you want to continue</p> <p>4 asking questions, I'm going to continue</p> <p>5 objecting, but he's not being offered as an</p> <p>6 expert witness on this.</p> <p>7 BY MR. SNELL:</p> <p>8 Q. You mentioned up to 80. I just</p> <p>9 want to know which ones are between let's</p> <p>10 say 50 and 80.</p> <p>11 MR. ANDERSON: Same objection</p> <p>12 applies to that so --</p> <p>13 THE WITNESS: The subset, I'm</p> <p>14 not familiar with the name of the subset.</p> <p>15 MR. SNELL: Okay.</p> <p>16 BY MR. SNELL:</p> <p>17 Q. Figure 3 in this paper shows a</p> <p>18 comparison of the different degrees of</p> <p>19 inflammation between the polypropylene mesh,</p> <p>20 which is on the left; correct?</p> <p>21 A. Yes.</p> <p>22 Q. And the two different cadaveric</p> <p>23 fascia latas at 12 weeks?</p> <p>24 A. Yes.</p> <p>25 Q. Were you involved in the taking</p> | <p style="text-align: right;">Page 200</p> <p>1 of these photographs?</p> <p>2 A. No. That would have been the</p> <p>3 pathologist. I believe it was Tom Sebo.</p> <p>4 Q. Do you know at what power those</p> <p>5 photographs were taken? I didn't see it in</p> <p>6 here.</p> <p>7 MR. ANDERSON: Objection.</p> <p>8 He just said he wasn't involved</p> <p>9 in it.</p> <p>10 MR. SNELL: I'm just asking if</p> <p>11 he knows from the paper. I didn't see it in</p> <p>12 the paper, the magnification, but I want to</p> <p>13 know if he has a recollection or a knowledge</p> <p>14 that I, obviously, I don't know.</p> <p>15 THE WITNESS: I have no</p> <p>16 recollection. I'd have to go to where I'm</p> <p>17 describing Figure 3 and say if we describe</p> <p>18 it.</p> <p>19 MR. SNELL: Figure 2. I'm</p> <p>20 sorry.</p> <p>21 THE WITNESS: Oh, Figure 2.</p> <p>22 MR. SNELL: Oh, no. You're</p> <p>23 right, Doctor. Figure 3. Figure 3. You're</p> <p>24 right. I misspoke.</p> <p>25 THE WITNESS: I don't see</p>  |

50 (Pages 197 to 200)

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| <p style="text-align: right;">Page 201</p> <p>1 Figure -- where I'm just talking about<br/>2 Figure 3.<br/>3 MR. ANDERSON: That's all<br/>4 right.<br/>5 There's not a question pending;<br/>6 right? Because he said I don't see it. You<br/>7 asked him if he saw the magnification and he<br/>8 said I don't see it.<br/>9 THE WITNESS: I'm sorry. I<br/>10 said I don't see it.<br/>11 MR. SNELL: Okay. I didn't<br/>12 hear you. I thought you were just looking<br/>13 for the reference to Figure 3.<br/>14 THE WITNESS: I --<br/>15 MR. ANDERSON: Off the record.<br/>16 (Discussion off the record.)<br/>17 BY MR. SNELL:<br/>18 Q. At the last page, Doctor, under<br/>19 "As alternatives," looking at the bottom<br/>20 left corner --<br/>21 A. I see it, yes.<br/>22 Q. So that in this paragraph you're<br/>23 talking about the use of polypropylene mesh;<br/>24 correct?<br/>25 A. In the setting for mid-urethral</p>  | <p style="text-align: right;">Page 202</p> <p>1 slings, yes.<br/>2 Q. Correct.<br/>3 And you say, "Our results<br/>4 indicated little degree of inflammation";<br/>5 correct?<br/>6 A. Yes.<br/>7 Q. "And significant fibrosis";<br/>8 correct?<br/>9 A. Yes.<br/>10 Q. "Similar to that of autologous<br/>11 material"; correct?<br/>12 A. Yes.<br/>13 Q. Moving a little further, you also<br/>14 note, none of the material appeared grossly<br/>15 infected at explantation in your study;<br/>16 correct?<br/>17 A. Yes.<br/>18 Q. In this paper you talk about some<br/>19 of the limitations of your study; correct?<br/>20 A. Yes.<br/>21 Q. One of it is that you used an<br/>22 animal model; correct?<br/>23 A. Yes.<br/>24 Q. And there's differences between<br/>25 humans and animals, obviously; correct?</p>   |
| <p style="text-align: right;">Page 203</p> <p>1 A. Yes.<br/>2 Q. There's differences in studies<br/>3 that seek to look at clinical conditions in<br/>4 humans and compare those with animal models;<br/>5 correct?<br/>6 A. Yes.<br/>7 Q. Towards the end you note in the<br/>8 "Conclusions" section, "These results add<br/>9 additional objective evidence to distinguish<br/>10 the different synthetic materials used in<br/>11 anti-incontinence surgery"; correct?<br/>12 A. Yes. I mentioned that in the<br/>13 "Conclusions" section and also warn of the<br/>14 differences in the microenvironment of the<br/>15 vagina and infection. So yes, it has to be<br/>16 taken in its totality, these conclusions, so<br/>17 you have to --<br/>18 Q. Right.<br/>19 A. But yes, that's the -- my<br/>20 statement that you said, that's what I state<br/>21 here.<br/>22 Q. The slings that you use<br/>23 transvaginally, the synthetic polypropylene<br/>24 slings, have you published on your infection<br/>25 rate with those slings?</p> | <p style="text-align: right;">Page 204</p> <p>1 A. I do not believe I have.<br/>2 Q. As you sit here today, what is<br/>3 your infection rate for your polypropylene<br/>4 slings?<br/>5 A. Are you talking about vaginal<br/>6 extrusion or infection of the mesh? Because<br/>7 there's a -- like I said, I just want<br/>8 clarification of what you're asking.<br/>9 Q. Infection with the mesh.<br/>10 A. One out of 1,500.<br/>11 Q. So one out of 1,500 --<br/>12 A. That I know of. I'm sorry to<br/>13 interrupt you.<br/>14 Q. That's okay.<br/>15 A. You have to put that preface in<br/>16 there, that I know of, one out of 1,500.<br/>17 Q. I don't want you to testify about<br/>18 things you don't know about. So one out of<br/>19 1,500 polypropylene slings that you've<br/>20 placed, that you're aware of, has become<br/>21 infected.<br/>22 A. Correct. And required explant,<br/>23 yes.<br/>24 And let me actually be more<br/>25 clear on this one also because I -- in</p> |

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| <p style="text-align: right;">Page 205</p> <p>1 making that statement, I excluded the OB<br/>2 tape. Our series of OB tapes, which are no<br/>3 longer on the market, we had 8 out of 100<br/>4 become infected, very significant, severe<br/>5 infections. Okay. So when I -- I gave that<br/>6 number, I actually should preface by<br/>7 excluding OB Tape.<br/>8 Q. Well, the 1,500 slings that you<br/>9 identified, you have one mesh infection out<br/>10 of, let's just focus on that one.<br/>11 A. Correct.<br/>12 Q. That's a macroporous sling;<br/>13 correct?<br/>14 A. It's the SPARC suburethral sling,<br/>15 so I don't know as far as the macroporous.<br/>16 It's --<br/>17 Q. Do you know if it's a larger pore<br/>18 size than the OB Tape?<br/>19 A. Yes, definitely, it is.<br/>20 Q. Do you know how that pore size of<br/>21 the SPARC tape compares to the pore size of<br/>22 the mesh used with, say, TVT®-O?<br/>23 A. All I would be able to do is not<br/>24 on a scientific level, of saying just<br/>25 eyeballing it, for lack of a better phrase,</p> | <p style="text-align: right;">Page 206</p> <p>1 eyeballing it, they appear to be very<br/>2 similar.<br/>3 Q. Now, you also mentioned<br/>4 extrusion --<br/>5 A. Extrusion.<br/>6 Q. -- when you were asking me for<br/>7 clarification?<br/>8 A. Yes.<br/>9 Q. In these 1,500 polypropylene<br/>10 slings, can you tell me what your extrusion<br/>11 rate was?<br/>12 A. Excluding the OB Tape.<br/>13 Q. Let's just set that aside.<br/>14 A. It's two that I know of.<br/>15 Q. Two of 1,500?<br/>16 A. Correct.<br/>17 Q. Have you ever published on the<br/>18 rate of mesh exposure or extrusion in the<br/>19 abdominal sacrocolpopexies that you have<br/>20 done?<br/>21 A. We have not published<br/>22 specifically on it; however, it is<br/>23 referenced in the manuscripts.<br/>24 Q. Sorry. My question was about the<br/>25 abdominal sacrocolpopexies.</p>  |
| <p style="text-align: right;">Page 207</p> <p>1 A. Oh, sorry.<br/>2 Q. Let me just check my question and<br/>3 make sure that was what I thought.<br/>4 MR. ANDERSON: You were right.<br/>5 THE WITNESS: Yeah. I<br/>6 misunderstood your question. I'm sorry.<br/>7 MR. SNELL: That's okay.<br/>8 BY MR. SNELL:<br/>9 Q. Let me just ask, have you ever<br/>10 published on the rate of mesh exposure or<br/>11 extrusion in the abdominal sacrocolpopexies<br/>12 that you have done?<br/>13 A. No, I have not.<br/>14 Q. Do you know the rate of mesh<br/>15 exposure for the abdominal sacrocolpopexies<br/>16 that you have performed?<br/>17 Well, let me back up, actually.<br/>18 Maybe you told me this before, and if you<br/>19 did, I apologize, because I've forgotten,<br/>20 clearly.<br/>21 How many abdominal<br/>22 sacrocolpopexies have you performed over<br/>23 your career?<br/>24 A. Roughly, we're looking at, what,<br/>25 14 years now, 100, 150. Something like</p>  | <p style="text-align: right;">Page 208</p> <p>1 that.<br/>2 Q. Have you ever published on your<br/>3 experience in abdominal sacrocolpopexy?<br/>4 A. No.<br/>5 Q. Have you ever presented on your<br/>6 experience with abdominal sacrocolpopexy<br/>7 with like a poster or, you know, a meeting,<br/>8 anything like that?<br/>9 A. No.<br/>10 Q. Are there any studies or<br/>11 publications or presentations that you have<br/>12 been involved with which concern the use of<br/>13 mesh to treat either stress urinary<br/>14 incontinence or prolapse that are not<br/>15 included in your CV?<br/>16 MR. ANDERSON: Objection.<br/>17 MR. SNELL: Can you tell me<br/>18 what's wrong, Counsel? I just want to --<br/>19 MR. ANDERSON: That he's been<br/>20 involved with. I don't know --<br/>21 MR. SNELL: Okay. That's fair.<br/>22 That's fair.<br/>23 BY MR. SNELL:<br/>24 Q. Are there any studies or<br/>25 publications or presentations that you have</p> |



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| <p style="text-align: right;">Page 209</p> <p>1 been a co-author on or the presenter on that<br/> 2 concern the use of mesh to treat urinary<br/> 3 incontinence or prolapse that are not<br/> 4 identified in your CV?<br/> 5 A. No. Specifically, to answer your<br/> 6 question, no; however, we have submitted for<br/> 7 meetings, like the SUFU meeting in February,<br/> 8 robotic sacrocolpopexy in obese patients,<br/> 9 and so -- but that has not been presented.<br/> 10 Q. Got you.<br/> 11 A. And then we will be submitting to<br/> 12 the AUA that manuscript and then the other<br/> 13 one is artificial -- so no, that would be --<br/> 14 there is no publication pending out there<br/> 15 that I'm aware of off the top of my head<br/> 16 other than those two presentations.<br/> 17 Q. And both of those involved<br/> 18 robotic sacrocolpopexy in an obese cohort?<br/> 19 A. Correct.<br/> 20 Q. How large of a series is this<br/> 21 obese cohort?<br/> 22 A. I believe it's involving all of<br/> 23 our 90 patients.<br/> 24 Q. Were all of the 90 patients<br/> 25 obese?</p> | <p style="text-align: right;">Page 210</p> <p>1 A. No. What we're doing is we're<br/> 2 comparing moderate -- normal BMI to<br/> 3 enlarged, elevated BMI.<br/> 4 Q. So is it normal BMI as compared<br/> 5 to overweight and obese, as defined by the<br/> 6 BMI scale, CDC, or normal weight versus<br/> 7 obese BMI of 30 or above?<br/> 8 A. Your first statement, that we are<br/> 9 comparing the various BMIs, so we have --<br/> 10 Q. Okay.<br/> 11 A. -- normal, mildly elevated and<br/> 12 then morbidly obese.<br/> 13 Q. Is this a retrospective cohort<br/> 14 study?<br/> 15 A. Yes.<br/> 16 Q. So within the 90 patients for<br/> 17 whom you have been involved with robotic<br/> 18 laparoscopic sacrocolpopexy, that's the<br/> 19 cohort and it's just stratified by BMI<br/> 20 category.<br/> 21 A. Correct.<br/> 22 Q. Were there any findings that you<br/> 23 considered significant or specific -- strike<br/> 24 that.<br/> 25 Were there any findings in this</p>   |
| <p style="text-align: right;">Page 211</p> <p>1 study which you considered to be specific to<br/> 2 the use of mesh?<br/> 3 A. No. It would be specific to<br/> 4 obesity and its impact upon robotic<br/> 5 sacrocolpopexy.<br/> 6 Q. What effect, if any, did the<br/> 7 obesity have?<br/> 8 A. The very impressive data that the<br/> 9 larger an individual is as far as obese, the<br/> 10 complications increased. There's almost a<br/> 11 linear one-to-one association as far as<br/> 12 that.<br/> 13 Q. Any particular type of<br/> 14 complications or just overall?<br/> 15 A. Overall, and wound infection,<br/> 16 delayed hospital stay, increased risk for<br/> 17 bleeding and also longer procedure.<br/> 18 Q. Do you know why there was an<br/> 19 increased risk of wound infection with the<br/> 20 obese cohort?<br/> 21 A. Basically, there's a lot of fat.<br/> 22 The more fat -- fat does not heal well at<br/> 23 all. So that goes for plastic surgery,<br/> 24 general surgery, and this robotics.<br/> 25 That would have surprised us</p>                                     | <p style="text-align: right;">Page 212</p> <p>1 somewhat because we felt that robotics would<br/> 2 actually reduce that, but still it was<br/> 3 reduced compared to open but still<br/> 4 significant increased risk compared to thin.<br/> 5 Thin is easy, obese is difficult.<br/> 6 Q. And the obese cohort had a longer<br/> 7 procedure time, in general?<br/> 8 A. Slightly. Yeah, it was 20 to 30<br/> 9 minutes longer.<br/> 10 Q. Any difference in the rate of<br/> 11 mesh exposure or extrusion?<br/> 12 A. We haven't had any beyond our<br/> 13 first eight patients. Our first eight<br/> 14 patients, which is described in that study<br/> 15 of 30, we had, I believe, two and I think we<br/> 16 had one after that, a total of three<br/> 17 patients with mesh extrusion, which were all<br/> 18 in the first eight or nine, maybe ten<br/> 19 patients. Since that, the subsequent 80,<br/> 20 we've had zero mesh extrusion.<br/> 21 Q. That you're aware of; correct?<br/> 22 A. That I'm aware of, yes.<br/> 23 And I also forgot, so just in<br/> 24 case you look it up, the SUFU, we are<br/> 25 presenting 100 urethrolyses for obstruction</p> |

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| <p style="text-align: right;">Page 213</p> <p>1 following slings. That's at the AUA. I'm<br/> 2 sorry.<br/> 3 Q. What's a urethrolysis?<br/> 4 A. Oh. Cutting of sling. They're<br/> 5 obstructed. And that's, again, at the AUA,<br/> 6 not the SUFU. I'm sorry.<br/> 7 Q. What types of slings are these?<br/> 8 A. The majority are autologous, 53;<br/> 9 30, roughly, are synthetics, suprapubic or<br/> 10 TVT®; they had a few transobturator and<br/> 11 then some Burch and MKs. That was the<br/> 12 minority.<br/> 13 Q. Where did these cases come from?<br/> 14 Were they original surgeries done at Mayo or<br/> 15 somewhere else?<br/> 16 A. No. They were all referred in.<br/> 17 Q. So the majority of these<br/> 18 urethrolyses involved autologous slings?<br/> 19 A. Correct.<br/> 20 Q. What was the N on the obese<br/> 21 cohort?<br/> 22 A. 90. Oh, on the obese, the<br/> 23 subset? I don't recall.<br/> 24 MR. SNELL: Take another little<br/> 25 break, if you don't mind.</p>  | <p style="text-align: right;">Page 214</p> <p>1 (Recess, 4:13-4:32 p.m.)<br/> 2 MR. SNELL: Could we mark this.<br/> 3 (Exhibit Elliott-8 was marked<br/> 4 for identification.)<br/> 5 BY MR. SNELL:<br/> 6 Q. Doctor, I've handed you Exhibit<br/> 7 Number 8. You see it's a document that<br/> 8 states that you have been paid one thousand,<br/> 9 six hundred -- back up.<br/> 10 Doctor, I've handed you Exhibit<br/> 11 Number 8.<br/> 12 Do you have it in front of you?<br/> 13 A. Yes, I do.<br/> 14 Q. And that document states that you<br/> 15 have been paid \$167,727 to date; correct?<br/> 16 A. That's what it states, yes.<br/> 17 Q. And that document is dated<br/> 18 October 17th, 2012; correct?<br/> 19 A. Correct.<br/> 20 Q. And is it correct that as of<br/> 21 October 17th, 2012, you have been paid<br/> 22 \$167,727?<br/> 23 A. Well, as I stated before, I don't<br/> 24 know how much I've been paid, but that's how<br/> 25 much it states here. I have no reason to</p> |
| <p style="text-align: right;">Page 215</p> <p>1 suspect it's wrong.<br/> 2 Q. Now, your rate is \$700 an hour<br/> 3 even though that document states it is 750;<br/> 4 correct?<br/> 5 A. Yes. It is 700 but, you know, it<br/> 6 does say 750. But yes, I am getting paid<br/> 7 700 per hour.<br/> 8 Q. When did you arrive in New Jersey<br/> 9 to give your deposition?<br/> 10 A. Monday night, whatever that was.<br/> 11 Touched down at 11:00 at night.<br/> 12 Q. How many hours have you spent<br/> 13 preparing for this deposition between the<br/> 14 time when you got on the plane to come to<br/> 15 New Jersey up until this morning before you<br/> 16 sat down?<br/> 17 A. Okay. Travel time was six, seven<br/> 18 hours. I don't know what it was. But there<br/> 19 was no prep time in it. That was just<br/> 20 travel.<br/> 21 And then in the morning of<br/> 22 Tuesday there was an hour and a half, two<br/> 23 hours in the morning. There was roughly<br/> 24 eight or nine, maybe up to ten hours with<br/> 25 Mr. Anderson on Tuesday. And then in the</p> | <p style="text-align: right;">Page 216</p> <p>1 evening I put in another hour to two hours.<br/> 2 And the same would be said then for<br/> 3 Wednesday. Essentially, the -- roughly, the<br/> 4 same amount.<br/> 5 Q. Roughly somewhere between 10 and<br/> 6 14 hours on Tuesday and Wednesday --<br/> 7 A. Correct.<br/> 8 Q. -- altogether.<br/> 9 A. Correct. That is correct. Each<br/> 10 day.<br/> 11 Q. Per day.<br/> 12 A. Per day. And then this morning,<br/> 13 roughly an hour and a half.<br/> 14 Q. So somewhere between 22 and 28<br/> 15 hours, altogether.<br/> 16 A. Yeah. I'd have to add it up, but<br/> 17 that sounds about right, yeah.<br/> 18 Q. And you haven't billed for that,<br/> 19 obviously.<br/> 20 A. No, I have not. Yes.<br/> 21 Q. When was the last time you issued<br/> 22 a bill?<br/> 23 A. October 31st.<br/> 24 Q. Do you bill at the end of every<br/> 25 month?</p>   |

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| <p style="text-align: right;">Page 217</p> <p>1 A. Yes. If I've done work, I bill,<br/>2 obviously.<br/>3 Q. Besides the 22 to 28 hours that<br/>4 you've spent -- strike that.<br/>5 Do you know if this \$167,727<br/>6 includes your bill from October 2011?<br/>7 A. I would assume it did not because<br/>8 I submitted it to them on October 31st.<br/>9 Q. Can you give me your best<br/>10 approximation how many hours you billed for<br/>11 in October?<br/>12 A. I don't know the number of hours<br/>13 on that.<br/>14 Q. Your best approximation is<br/>15 that --<br/>16 A. I can give you a dollar amount<br/>17 because I know that because I just deposited<br/>18 the check.<br/>19 Q. Okay.<br/>20 A. It was roughly 25,000.<br/>21 Q. And for the month of November,<br/>22 other than the 22 to 28 hours you spent<br/>23 preparing in the past couple of days, have<br/>24 you spent any other time on this matter?<br/>25 A. Yeah. I continued from November</p> | <p style="text-align: right;">Page 218</p> <p>1 1st until leaving of doing review work. I<br/>2 don't know what -- I -- I do have a record<br/>3 of it. I don't have it with me. That's at<br/>4 my home. And I don't know the number of<br/>5 hours. It would be in the range of 20 to<br/>6 30, maybe. Maybe. I could be quite off,<br/>7 actually.<br/>8 Q. So approximately 20 --<br/>9 A. 20 to 30.<br/>10 Q. -- to 30 hours.<br/>11 A. Prior to leaving to come to New<br/>12 Jersey.<br/>13 Q. And approximately 22 to 28 hours<br/>14 since you've arrived here in New Jersey.<br/>15 A. Correct. Except that has not --<br/>16 not counted the deposition today. So --<br/>17 Q. Yeah.<br/>18 A. -- each minute counts.<br/>19 Q. Do you have a separate company<br/>20 which the checks are made payable to?<br/>21 A. No.<br/>22 Q. They're just made out to you<br/>23 personally?<br/>24 A. Correct.<br/>25 Q. Did you seek any approval from</p>  |
| <p style="text-align: right;">Page 219</p> <p>1 the Mayo Clinic with regard to your role as<br/>2 an expert in the mesh litigation?<br/>3 A. No. This is all private time.<br/>4 Q. Do you have your report handy,<br/>5 the annotated one?<br/>6 A. Yes, I do.<br/>7 Q. Is that your version of the<br/>8 report?<br/>9 A. No.<br/>10 MR. ANDERSON: It's mine.<br/>11 THE WITNESS: This is<br/>12 Mr. Anderson's.<br/>13 BY MR. SNELL:<br/>14 Q. The November 7th, 2012,<br/>15 supplemental report to which we have<br/>16 objected and I've stated our grounds for<br/>17 said objection --<br/>18 MR. ANDERSON: Yes.<br/>19 BY MR. SNELL:<br/>20 Q. -- you did not in that report<br/>21 disclose any new general opinions; correct?<br/>22 MR. ANDERSON: Objection.<br/>23 THE WITNESS: No. That was<br/>24 pertaining specifically to Gross and Wicker.<br/>25 BY MR. SNELL:</p>   | <p style="text-align: right;">Page 220</p> <p>1 Q. Are all opinions you plan to<br/>2 offer, are all your general opinions that<br/>3 you plan to offer contained within this June<br/>4 15th, 2012, report and the supplemental<br/>5 November 14th, 2012, report, which you state<br/>6 that they further supported your opinions as<br/>7 set forth in the original report?<br/>8 MR. ANDERSON: Just objection<br/>9 to the question.<br/>10 THE WITNESS: I cannot say. I<br/>11 mean, I am ongoing continuing to do research<br/>12 and thought with this. If something new<br/>13 does arrive, that could change it, but right<br/>14 now I have no knowledge of anything.<br/>15 BY MR. SNELL:<br/>16 Q. As we sit here today, all of your<br/>17 general opinions are contained in the<br/>18 general report and the November 14th, 2012,<br/>19 supplement; correct?<br/>20 MR. ANDERSON: Objection.<br/>21 Go ahead.<br/>22 THE WITNESS: Yes.<br/>23 BY MR. SNELL:<br/>24 Q. On Page 8, this contains a<br/>25 summary of your opinions?</p> |

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| <p style="text-align: right;">Page 221</p> <p>1 A. Yes.</p> <p>2 Q. And that's Pages 8 to 11?</p> <p>3 A. Yes.</p> <p>4 Q. And do you believe that this is a</p> <p>5 fair summary of the opinions you plan to</p> <p>6 offer at trial?</p> <p>7 A. Yes.</p> <p>8 Q. I'm going to ask you about a</p> <p>9 couple of these.</p> <p>10 The first one -- are you with</p> <p>11 me?</p> <p>12 A. Yes, I am. Number one, I assume</p> <p>13 but --</p> <p>14 Q. Yes.</p> <p>15 A. On Page 8. Yes?</p> <p>16 Q. Page 8. Yes. Thank you, Doctor.</p> <p>17 This says, "patients implanted</p> <p>18 with non-absorbable, transvaginal synthetic</p> <p>19 mesh for pelvic organ prolapse, including</p> <p>20 the Prolift System, do not have demonstrable</p> <p>21 improvement in symptomatic results over</p> <p>22 traditional, non-mesh repair"; correct?</p> <p>23 A. Yes.</p> <p>24 Q. You have reviewed clinical</p> <p>25 studies -- let me back up.</p>  | <p style="text-align: right;">Page 222</p> <p>1 Is it your opinion that any</p> <p>2 non-absorbable transvaginal synthetic mesh</p> <p>3 for the use in pelvic organ prolapse is not</p> <p>4 an appropriate option for surgeons?</p> <p>5 A. That's not what I state.</p> <p>6 Q. I'm asking --</p> <p>7 A. That's just what I state right</p> <p>8 here. Not demonstrable improvements in</p> <p>9 symptomatic results over the traditional</p> <p>10 repair.</p> <p>11 Q. My question is, is it your</p> <p>12 opinion that doctors should not use</p> <p>13 non-absorbable transvaginal synthetic mesh</p> <p>14 for pelvic organ prolapse?</p> <p>15 A. My opinion, again, we've got it</p> <p>16 outlined very well in here, stated but,</p> <p>17 briefly, my opinion is the routine, common</p> <p>18 use of mesh for pelvic organ prolapse is not</p> <p>19 appropriate, based upon the data.</p> <p>20 Q. Do you believe a surgeon who</p> <p>21 chooses to use transvaginal mesh to treat</p> <p>22 prolapse is violating the standard of care</p> <p>23 by using transvaginal mesh --</p> <p>24 MR. ANDERSON: Objection.</p> <p>25 BY MR. SNELL:</p> |
| <p style="text-align: right;">Page 223</p> <p>1 Q. -- for prolapse?</p> <p>2 MR. ANDERSON: Sorry.</p> <p>3 Objection.</p> <p>4 Go ahead.</p> <p>5 THE WITNESS: I don't believe a</p> <p>6 standard -- a standard of care -- let me</p> <p>7 back up.</p> <p>8 A standard of care regarding</p> <p>9 pelvic organ prolapse is still evolving. It</p> <p>10 would be incorrect for me to say that a</p> <p>11 surgeon is violating the standard of care.</p> <p>12 It is not malpractice to implant a mesh,</p> <p>13 okay, because that's not established. Is it</p> <p>14 efficacious, does it benefit the patient is</p> <p>15 a different story. That's what I'm having a</p> <p>16 very strong opinion on.</p> <p>17 BY MR. SNELL:</p> <p>18 Q. And is it your opinion that say</p> <p>19 Prolift® mesh does not benefit any patients</p> <p>20 whatsoever?</p> <p>21 A. I have not stated that, no.</p> <p>22 Q. Is it your opinion that the use</p> <p>23 of non-absorbable transvaginal synthetic</p> <p>24 mesh does not benefit any patients out</p> <p>25 there?</p> | <p style="text-align: right;">Page 224</p> <p>1 A. There is -- as you stated that</p> <p>2 question, just now --</p> <p>3 Q. Yes.</p> <p>4 A. -- there is a, I think, a benefit</p> <p>5 in stress urinary incontinence.</p> <p>6 Q. Do all patients who receive</p> <p>7 Prolift® have complications?</p> <p>8 A. No.</p> <p>9 Q. Do all patients who receive</p> <p>10 transvaginal mesh to treat prolapse have</p> <p>11 complications?</p> <p>12 A. No.</p> <p>13 Q. You will acknowledge that in the</p> <p>14 medical literature that patients who have</p> <p>15 received Prolift® have received efficacious</p> <p>16 treatment of their prolapse; correct?</p> <p>17 A. I --</p> <p>18 MR. ANDERSON: Objection.</p> <p>19 Go ahead.</p> <p>20 THE WITNESS: I -- I do agree</p> <p>21 with that. I also agree that the majority</p> <p>22 of Pinto cars did not kill people or the</p> <p>23 majority of Firestone tires are good. So</p> <p>24 I'm not saying banning all. I'm saying that</p> <p>25 the complications. That was the issue.</p>   |

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| <p style="text-align: right;">Page 225</p> <p>1 MR. SNELL: Move to strike<br/> 2 everything after "I do agree with that."<br/> 3 BY MR. SNELL:<br/> 4 Q. You would agree that patients<br/> 5 implanted with Prolift® have demonstrated<br/> 6 improvement in symptomatic results,<br/> 7 according to the medical literature?<br/> 8 A. Yeah.<br/> 9 MR. ANDERSON: Objection.<br/> 10 THE WITNESS: Yes.<br/> 11 BY MR. SNELL:<br/> 12 Q. You would agree that patients<br/> 13 implanted with Prolift® have demonstrated<br/> 14 improvements in quality of life, according<br/> 15 to the medical literature.<br/> 16 A. Yes, some of them have. Yes.<br/> 17 Q. That's what I'm asking.<br/> 18 Some patients, not every single<br/> 19 one; right, Doctor? Because is there a<br/> 20 surgical procedure you can point me to to<br/> 21 treat prolapse where every patient has<br/> 22 efficacy and no complications?<br/> 23 MR. ANDERSON: Objection to the<br/> 24 form.<br/> 25 Go ahead.</p> | <p style="text-align: right;">Page 226</p> <p>1 THE WITNESS: No.<br/> 2 MR. SNELL: Okay.<br/> 3 BY MR. SNELL:<br/> 4 Q. Patients implanted with Prolift®,<br/> 5 in general, have improvement in their PSI<br/> 6 scores; correct?<br/> 7 MR. ANDERSON: Objection.<br/> 8 Go ahead.<br/> 9 THE WITNESS: I can't answer<br/> 10 that.<br/> 11 BY MR. SNELL:<br/> 12 Q. Why not?<br/> 13 A. Because there is an extensive<br/> 14 amount of data out there that mesh<br/> 15 degradation, shrinkage, contraction, et<br/> 16 cetera, continues for years, so I cannot<br/> 17 comment what will be happening 10, 20, 30<br/> 18 years on down the road.<br/> 19 Your comment in general implies<br/> 20 51 percent, and I don't know, will we cross<br/> 21 that at some point in time.<br/> 22 Q. Overall, patients who have been<br/> 23 implanted with Prolift® have had improvement<br/> 24 in their anatomic prolapse scoring; correct?<br/> 25 MR. ANDERSON: Objection.</p>           |
| <p style="text-align: right;">Page 227</p> <p>1 Go ahead.<br/> 2 THE WITNESS: And your<br/> 3 definition of overall is -- just so I'm<br/> 4 clear, so I'm answering your question,<br/> 5 overall means?<br/> 6 BY MR. SNELL:<br/> 7 Q. The majority.<br/> 8 A. The majority.<br/> 9 Q. You've seen in the studies that<br/> 10 they identified POPQ scoring; correct?<br/> 11 A. Yes.<br/> 12 Q. In the prospective studies;<br/> 13 correct?<br/> 14 A. Yes, I've seen it.<br/> 15 Q. In the retrospective cohort<br/> 16 studies; correct?<br/> 17 A. Yes, I have.<br/> 18 Q. In the randomized, controlled<br/> 19 trials; correct?<br/> 20 A. Yes, I have.<br/> 21 Q. And overall, patients on Prolift®<br/> 22 have improvement in their anatomic prolapse<br/> 23 scoring after Prolift® implantation;<br/> 24 correct?<br/> 25 MR. ANDERSON: Objection.</p>   | <p style="text-align: right;">Page 228</p> <p>1 Go ahead.<br/> 2 THE WITNESS: I believe the<br/> 3 anatomic repair has been vastly and<br/> 4 incorrectly reported as being good. And<br/> 5 then to answer your question, yes, I agree,<br/> 6 Prolift® has anatomic improvement in the<br/> 7 majority of patients.<br/> 8 MR. SNELL: Move to strike.<br/> 9 BY MR. SNELL:<br/> 10 Q. You would agree that Prolift® has<br/> 11 anatomic improvement in the majority of<br/> 12 patients; correct?<br/> 13 MR. ANDERSON: Objection.<br/> 14 Asked and answered.<br/> 15 THE WITNESS: Yes.<br/> 16 BY MR. SNELL:<br/> 17 Q. Opinion Number 5 on Page 9,<br/> 18 Doctor.<br/> 19 A. Yes.<br/> 20 Q. You state, "There was no need for<br/> 21 the Prolift® system...to be sold and<br/> 22 marketed as a surgical treatment and<br/> 23 procedure for pelvic organ prolapse as there<br/> 24 were safe, effective and reasonable<br/> 25 alternative surgical treatments available at</p> |

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| <p style="text-align: right;">Page 229</p> <p>1 the time," et cetera; correct?</p> <p>2 A. Yes.</p> <p>3 Q. If a surgeon has used Prolift®</p> <p>4 and he or she believes that it has, in</p> <p>5 general, benefitted his or her patients --</p> <p>6 A. There was no question there, was</p> <p>7 there?</p> <p>8 Q. No. I'm in the process of</p> <p>9 formulating it.</p> <p>10 MR. ANDERSON: Formulating.</p> <p>11 THE WITNESS: You looked at me.</p> <p>12 I thought --</p> <p>13 MR. ANDERSON: Off the record.</p> <p>14 (Discussion off the record.)</p> <p>15 BY MR. SNELL:</p> <p>16 Q. If a surgeon has used -- strike</p> <p>17 that.</p> <p>18 If a surgeon used Prolift® in</p> <p>19 his or her patients and they believe that</p> <p>20 Prolift®, in general, benefitted his or her</p> <p>21 patients, would you be critical of that</p> <p>22 surgeon's decision to continue to use</p> <p>23 Prolift®?</p> <p>24 MR. ANDERSON: Objection.</p> <p>25 Go ahead.</p>                              | <p style="text-align: right;">Page 230</p> <p>1 THE WITNESS: With the</p> <p>2 available data present, readily present in</p> <p>3 the literature, with no improvement in</p> <p>4 symptomatic results, regardless of what a</p> <p>5 surgeon believes, they are taking those</p> <p>6 patients and increasing their potential risk</p> <p>7 for devastating complications.</p> <p>8 I would be very confident and</p> <p>9 have at meetings stated surgeons better be</p> <p>10 very, very careful in selecting these</p> <p>11 individuals because they are going to be</p> <p>12 damaging some people permanently.</p> <p>13 BY MR. SNELL:</p> <p>14 Q. I thought we earlier agreed that,</p> <p>15 in general, patients who have received</p> <p>16 Prolift®, per the medical literature, do</p> <p>17 receive symptomatic improvements.</p> <p>18 A. I agree with that.</p> <p>19 Q. You just made a statement that</p> <p>20 there was no improvement of symptomatic</p> <p>21 results in your previous answer.</p> <p>22 Were you taking making some</p> <p>23 type of comparison or --</p> <p>24 A. I see.</p> <p>25 Q. I just don't track you.</p> |
| <p style="text-align: right;">Page 231</p> <p>1 A. No. I misspoke.</p> <p>2 In comparison -- what I should</p> <p>3 have stated in there is no symptomatic</p> <p>4 improvement in comparison to traditional</p> <p>5 repair.</p> <p>6 Q. Okay.</p> <p>7 A. So, yeah, that's a very good</p> <p>8 pickup.</p> <p>9 Yes, Prolift® has symptomatic</p> <p>10 improvement but not more than traditional</p> <p>11 repair.</p> <p>12 Q. You've read the Altman New</p> <p>13 England Journal 2011 article involving</p> <p>14 Prolift® versus anterior colporrhaphy?</p> <p>15 A. Many times, yes.</p> <p>16 Q. The primary point there was a</p> <p>17 composite primary end point of POPQ</p> <p>18 staging --</p> <p>19 A. That was --</p> <p>20 Q. -- and subjective reporting of</p> <p>21 bulge; correct?</p> <p>22 A. That is -- I'd have to look at it</p> <p>23 but, as I recall, yes, that's correct.</p> <p>24 Q. And in the Altman study Prolift®</p> <p>25 was statistically significantly better than</p> | <p style="text-align: right;">Page 232</p> <p>1 colporrhaphy in that primary composite end</p> <p>2 point; correct?</p> <p>3 A. Now, is this the manuscript where</p> <p>4 he states in there there was no Ethicon</p> <p>5 involvement to The New England Journal of</p> <p>6 Medicine editors and Ethicon employees</p> <p>7 knowingly changed the document or suggested</p> <p>8 to him to change the document, which to me</p> <p>9 is medical fraud?</p> <p>10 Q. It's The New England Journal</p> <p>11 article by Altman. You and I know exactly</p> <p>12 which one it is.</p> <p>13 MR. ANDERSON: Objection to</p> <p>14 that characterization.</p> <p>15 BY MR. SNELL:</p> <p>16 Q. I'm the one asking the questions,</p> <p>17 Doctor, not you, so just answer my</p> <p>18 questions, if you can.</p> <p>19 A. That article --</p> <p>20 Q. Let me back up and ask my</p> <p>21 question because I actually didn't get an</p> <p>22 answer.</p> <p>23 A. That's fine. Sure.</p> <p>24 Q. In the Altman 2011 study Prolift®</p> <p>25 was statistically significantly better than</p>  |



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| <p style="text-align: right;">Page 233</p> <p>1 colporrhaphy in the primary end point;<br/>2 correct?<br/>3 A. I will politely, not to be<br/>4 difficult, refuse to answer that question<br/>5 because this is medical/scientific fraud.<br/>6 Altman lied on that declaration<br/>7 to The New England Journal of Medicine. I<br/>8 cannot trust any of that data on there.<br/>9 This is based upon my experience as being an<br/>10 editor and reviewer in eight different<br/>11 medical journals.<br/>12 If anybody were to know that<br/>13 there was a lie like that, that data is<br/>14 excluded, he would never be allowed to<br/>15 publish in the United States. So I cannot<br/>16 trust that data at all, no matter what was<br/>17 said.<br/>18 MR. SNELL: Objection. Move to<br/>19 strike.<br/>20 BY MR. SNELL:<br/>21 Q. Are you aware of any changes with<br/>22 the underlying data, with the whole, entire<br/>23 transvaginal Nordic group during the<br/>24 collection of that study?<br/>25 MR. ANDERSON: Objection.</p> | <p style="text-align: right;">Page 234</p> <p>1 THE WITNESS: How can -- how<br/>2 can I trust it? I mean, I --<br/>3 BY MR. SNELL:<br/>4 Q. I'm asking you, are you aware?<br/>5 A. I am aware --<br/>6 MR. ANDERSON: Same objection.<br/>7 THE WITNESS: I am aware in the<br/>8 deposition of Hinoul --<br/>9 MR. ANDERSON: Hinoul?<br/>10 THE WITNESS: -- Hinoul where<br/>11 he describes changes that were made in the<br/>12 manuscript.<br/>13 I cannot trust the data and nor<br/>14 can any urologist or gynecologist.<br/>15 MR. SNELL: Objection. Move to<br/>16 strike.<br/>17 BY MR. SNELL:<br/>18 Q. So you can't answer any questions<br/>19 about the Altman study because of this issue<br/>20 you've identified.<br/>21 A. Anything I state about the data<br/>22 in there, I can't believe that necessarily<br/>23 that data is true.<br/>24 Q. So you don't believe the rate of<br/>25 erosion in that study?</p>   |
| <p style="text-align: right;">Page 235</p> <p>1 A. I don't know.<br/>2 Q. You don't --<br/>3 A. Everything is suspect.<br/>4 Q. You don't --<br/>5 A. That paper will get rejected from<br/>6 The New England Journal of Medicine if the<br/>7 editors find out about it.<br/>8 MR. SNELL: Objection. Move to<br/>9 strike.<br/>10 BY MR. SNELL:<br/>11 Q. You're not -- you don't believe<br/>12 the rates of complications reported in the<br/>13 Altman study?<br/>14 A. How could I --<br/>15 MR. ANDERSON: Objection.<br/>16 Asked and answered.<br/>17 Go ahead.<br/>18 THE WITNESS: How can I trust<br/>19 it? Every --<br/>20 BY MR. SNELL:<br/>21 Q. I'm asking you, I'm just saying,<br/>22 it's a yes or no answer. Either you don't<br/>23 or you do.<br/>24 MR. ANDERSON: Objection.<br/>25 THE WITNESS: I do not trust</p>  | <p style="text-align: right;">Page 236</p> <p>1 the data.<br/>2 BY MR. SNELL:<br/>3 Q. And, therefore, you're not<br/>4 prepared to answer questions about it, other<br/>5 than this same spiel that you've given so<br/>6 far?<br/>7 MR. ANDERSON: Objection to the<br/>8 characterization of his testimony.<br/>9 THE WITNESS: Yeah. Actually,<br/>10 I'm going to be quite offended at calling it<br/>11 a spiel.<br/>12 The honesty -- everything that<br/>13 we rely upon as editors of journals and in<br/>14 scientific publication is trusting that what<br/>15 we are presented is accurate and truthful,<br/>16 to the best of the author's capabilities.<br/>17 When I read in New England<br/>18 Journal of Medicine that he states no<br/>19 Ethicon involvement, no employees'<br/>20 involvement -- I'd have to get the actual<br/>21 document and see exactly what the words were<br/>22 saying -- then I read internal documentation<br/>23 and Hinoul's, whatever his name is, how you<br/>24 pronounce it, where he says there was<br/>25 multiple changes made, which Dr. Anne Weber</p> |

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| <p style="text-align: right;">Page 237</p> <p>1 in her supplemental report details<br/> 2 extensively the changes, subsequently,<br/> 3 everything is suspect. The complications<br/> 4 that -- he reports 16.9 percent erosion.<br/> 5 How do I know it's not 24? How do I know<br/> 6 it's not 5? I can't trust it.<br/> 7 MR. SNELL: Okay. Move to<br/> 8 strike.<br/> 9 MR. ANDERSON: That was your<br/> 10 question.<br/> 11 THE WITNESS: It is an issue of<br/> 12 integrity.<br/> 13 BY MR. SNELL:<br/> 14 Q. When you said there was no<br/> 15 improvement in symptomatic results in<br/> 16 comparison to traditional repairs, are you<br/> 17 basing that on -- on Page 14, the up-to-date<br/> 18 prolapse definitions as articulated by<br/> 19 Dr. Weber?<br/> 20 A. That was pertaining to anatomic<br/> 21 results. I have a detailed explanation in<br/> 22 my expert report, Page -- beginning on Page<br/> 23 38 where I talk about symptomatic results,<br/> 24 which spells it out in detail.<br/> 25 Q. And just so I'm clear, too, when</p> | <p style="text-align: right;">Page 238</p> <p>1 you talk about in comparison to traditional<br/> 2 repairs, what repairs are you referring to?<br/> 3 A. Well, that's going to be specific<br/> 4 if we're talking about anterior Prolift® and<br/> 5 we're comparing it to anterior colporrhaphy.<br/> 6 Q. Okay.<br/> 7 A. If we're talking about posterior<br/> 8 colporrhaphy, then we're talking about<br/> 9 posterior Prolift®, and then total Prolift®<br/> 10 is then the various different procedures,<br/> 11 which there are going to be several in<br/> 12 there.<br/> 13 Q. Can you give me those?<br/> 14 A. Well, there would be sacrospinous<br/> 15 fixation, sacrocolpopexies, and then again<br/> 16 we're probably talking about the McCall's<br/> 17 culdoplasty, the Mayo culdoplasty. There's<br/> 18 other ones in there. Those are going to be<br/> 19 the major percentage-wise.<br/> 20 Q. Is it correct that in patients<br/> 21 who have prolapse in more than just the<br/> 22 vaginal vault, if a doctor chooses to do a<br/> 23 sacrocolpopexy in the majority of cases,<br/> 24 they will also do a concomitant adjunct<br/> 25 procedure like a colporrhaphy or something</p> |
| <p style="text-align: right;">Page 239</p> <p>1 else?<br/> 2 A. Well, your question is more than<br/> 3 the vaginal vault. The vaginal vault is<br/> 4 everything. So, I mean, are you referring<br/> 5 to something else?<br/> 6 The vaginal vault is implying,<br/> 7 I mean, everything is coming on out, the<br/> 8 entire eversion of the vagina, so, by<br/> 9 definition, that's anterior, posterior and<br/> 10 apical. So are you referring to something<br/> 11 else, suggesting that I'm missing?<br/> 12 Q. Yeah.<br/> 13 A. I think I'm missing the question,<br/> 14 then.<br/> 15 Q. Yeah, I think we're not<br/> 16 communicating.<br/> 17 Well, let me ask it this way:<br/> 18 Are concomitant prolapse surgeries commonly<br/> 19 done alongside a sacrocolpopexy?<br/> 20 A. Okay. Now I understand your<br/> 21 question.<br/> 22 That depends on what you're<br/> 23 doing at the time of sacrocolpopexy.<br/> 24 Q. Okay.<br/> 25 A. The way I do it and those</p>  | <p style="text-align: right;">Page 240</p> <p>1 pictures that you saw were using, having<br/> 2 those anterior and posterior arms, which are<br/> 3 quite long. That way, you can elevate the<br/> 4 entire vaginal vault with that, anterior,<br/> 5 posterior, and apical.<br/> 6 There have been descriptions of<br/> 7 just putting a cap at the apex of the<br/> 8 vagina. If you do that, you will not be<br/> 9 supporting anterior or posterior, at least<br/> 10 very well.<br/> 11 Q. Okay.<br/> 12 A. And so then that answers your<br/> 13 question, would they do a concurrent<br/> 14 anterior/posterior colporrhaphy. I do not<br/> 15 in my practice.<br/> 16 Q. Are you familiar with the<br/> 17 randomized, controlled trial by Withagen --<br/> 18 A. Yes.<br/> 19 Q. -- involving Prolift®?<br/> 20 A. Yes.<br/> 21 Q. And what did that study show with<br/> 22 regard to primary end point?<br/> 23 A. I'd have to get the paper out and<br/> 24 review it.<br/> 25 Q. Did you discuss the Withagen</p>   |

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| <p style="text-align: right;">Page 241</p> <p>1 paper in your report?</p> <p>2 A. Yes, I did.</p> <p>3 Q. Can you just point to me where?</p> <p>4 A. Well, it will be in here -- Page</p> <p>5 38 under the subsection "Anatomic Results,"</p> <p>6 the very top line, first paragraph,</p> <p>7 Reference Number 40 discusses her paper.</p> <p>8 And it's referencing anatomic superiority</p> <p>9 over traditional repair, which there was</p> <p>10 none in the paper.</p> <p>11 Q. I'm sorry. Say that again?</p> <p>12 A. Specifically, and then reading</p> <p>13 directly out of my document, Page 30,</p> <p>14 transvaginal mesh posterior and transvaginal</p> <p>15 mesh apical POP repairs did not produce any</p> <p>16 -- it says, provide any anatomic superior</p> <p>17 results benefit compared to traditional</p> <p>18 transvaginal non-mesh POP procedures,</p> <p>19 Reference 40, which that is one of them,</p> <p>20 Withagen. There's three others in there</p> <p>21 that I reference.</p> <p>22 Q. The Inglesia study you referenced</p> <p>23 in your --</p> <p>24 A. Yes.</p> <p>25 Q. -- report.</p> | <p style="text-align: right;">Page 242</p> <p>1 Do you know if that study was</p> <p>2 adequately powered?</p> <p>3 A. I'd have to look at it to</p> <p>4 determine that.</p> <p>5 Q. Do you know what the rate of mesh</p> <p>6 exposure was with the Prolift® arm?</p> <p>7 A. I -- I would have to look again</p> <p>8 at it. Off the top of my head, it was like</p> <p>9 15, 17 percent, something like that, and</p> <p>10 then the study was terminated prior to</p> <p>11 significant enrollment.</p> <p>12 Q. Do you recall what the rate of</p> <p>13 suture erosion was in the other arm?</p> <p>14 A. No, I do not. I'd have to look</p> <p>15 at the manuscript.</p> <p>16 Q. Do you know if the authors</p> <p>17 reported a statistically significant</p> <p>18 difference in the rate of mesh exposure</p> <p>19 versus suture erosion in the two arms?</p> <p>20 A. Again, I'd have to look at the</p> <p>21 manuscript to determine that.</p> <p>22 Q. Page 9.</p> <p>23 A. Okay.</p> <p>24 Q. Back to Paragraph 5, we were</p> <p>25 talking about.</p>                  |
| <p style="text-align: right;">Page 243</p> <p>1 A. Okay.</p> <p>2 Q. You mentioned there's the risk of</p> <p>3 serious injury.</p> <p>4 A. Yes.</p> <p>5 Q. Do you see that in Paragraph 5?</p> <p>6 A. Yes, I do.</p> <p>7 Q. Would you agree that there's a</p> <p>8 potential risk of serious injury with the</p> <p>9 sacrocolpopexy?</p> <p>10 A. Yes.</p> <p>11 Q. Would you agree there's a</p> <p>12 potential risk of serious injury with the</p> <p>13 sacrospinous ligament fixation?</p> <p>14 A. In a magnitude and frequency and</p> <p>15 intensity and delayed onset difference but,</p> <p>16 yes, there is risk there.</p> <p>17 MR. SNELL: Move to strike.</p> <p>18 BY MR. SNELL:</p> <p>19 Q. Would you agree that there's a</p> <p>20 potential risk of serious injury with the</p> <p>21 sacrospinous ligament fixation?</p> <p>22 MR. ANDERSON: Objection.</p> <p>23 Asked and answered.</p> <p>24 THE WITNESS: There is -- there</p> <p>25 is risk there for serious injury, yes.</p>  | <p style="text-align: right;">Page 244</p> <p>1 BY MR. SNELL:</p> <p>2 Q. Would you agree that there's a</p> <p>3 risk of serious injury with colporrhaphy?</p> <p>4 A. Yes.</p> <p>5 Q. In the next paragraph, B-1 --</p> <p>6 A. Number 1? Yes.</p> <p>7 Q. Yes. On Page 9 of your report.</p> <p>8 A. Yes, I'm looking at it.</p> <p>9 Q. You say, Synthetic transvaginal</p> <p>10 meshes for POP, including...</p> <p>11 Prolift®...subject patients to needless</p> <p>12 danger through increased risks not present</p> <p>13 in traditional, non-mesh surgery."</p> <p>14 Do you see that?</p> <p>15 A. Yes, I do.</p> <p>16 Q. Is that the same data set we're</p> <p>17 talking about? Strike that.</p> <p>18 Is that the same surgery set we</p> <p>19 were referring to before, anterior/posterior</p> <p>20 colporrhaphy, sacrospinous ligament,</p> <p>21 sacrocolpopexy, McCall's culdoplasty, Mayo</p> <p>22 culdoplasty?</p> <p>23 A. Yes. Any time I use the words</p> <p>24 "traditional, non-mesh," unless we're</p> <p>25 talking about a specific compartment, it</p> |

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| <p style="text-align: right;">Page 245</p> <p>1 would be all inclusive.</p> <p>2 Q. And what increased risks do you</p> <p>3 believe are attendant with the Prolift®</p> <p>4 system as compared to traditional, non-mesh</p> <p>5 surgery?</p> <p>6 A. Again, I outlined that in the</p> <p>7 expert report very thoroughly, which we can</p> <p>8 go through that complications section.</p> <p>9 Q. Okay.</p> <p>10 A. Go through each one. It -- it's</p> <p>11 on Page 5 of the Table of Contents. I go</p> <p>12 through the safety, which then starts on</p> <p>13 Page 42 or so. Actually, on Page 41 is the</p> <p>14 introduction and then we have it all -- all</p> <p>15 the subsets of impaired vaginal healing,</p> <p>16 contiguous organ injury, voiding</p> <p>17 dysfunction, contraction.</p> <p>18 Q. I'm sorry. Where are you at,</p> <p>19 Doctor?</p> <p>20 A. Oh, I'm sorry. I'm just reading</p> <p>21 off of the Table of Contents beginning in --</p> <p>22 the text itself begins on Page 41 and then</p> <p>23 I'm just reading the points because you</p> <p>24 asked what was increased and so that's what</p> <p>25 I was going through.</p>   | <p style="text-align: right;">Page 246</p> <p>1 Q. Okay.</p> <p>2 A. And then I -- foreign body</p> <p>3 reaction, increased foreign body reaction,</p> <p>4 degradation, pain syndrome, sexual function,</p> <p>5 dysfunction.</p> <p>6 Q. And is it your opinion that these</p> <p>7 potential risks are increased with Prolift®</p> <p>8 compared to the traditional surgical</p> <p>9 repairs?</p> <p>10 A. Yes.</p> <p>11 Q. Are they statistically</p> <p>12 significantly increased?</p> <p>13 A. I can't speak to statistically</p> <p>14 significant. We'd have to go to study by</p> <p>15 study.</p> <p>16 Q. Have you done that? Have you</p> <p>17 done that?</p> <p>18 A. I have looked at the frequency of</p> <p>19 it looking at the TVM studies, the Hinoul</p> <p>20 study, the various different French group</p> <p>21 studies and looked at them.</p> <p>22 Q. Have you compared them</p> <p>23 statistically, though, to see if there's any</p> <p>24 statistically significant difference?</p> <p>25 A. Well, there's the randomized,</p>                    |
| <p style="text-align: right;">Page 247</p> <p>1 controlled studies by Withagen, who compares</p> <p>2 the erosion rates versus the non-mesh groups</p> <p>3 showing what, 16.9 percent erosion,</p> <p>4 something like that, I might not be exact,</p> <p>5 which is statistically significant over the</p> <p>6 other groups.</p> <p>7 And then we also have to</p> <p>8 compare in there, you can't compare apples</p> <p>9 to apples because you have like, again, the</p> <p>10 severity of the problem. Suture erosion</p> <p>11 versus mesh erosion are two completely</p> <p>12 separate problems.</p> <p>13 Q. In the cohort of mesh exposures</p> <p>14 in Withagen do you happen to remember how</p> <p>15 many of those were conservatively treated</p> <p>16 with just either watchful waiting or</p> <p>17 estrogen cream?</p> <p>18 A. I would have to look at the study</p> <p>19 to get the specific number. By and large,</p> <p>20 it's roughly 50 percent could be treated</p> <p>21 conservatively, 50 percent require surgical</p> <p>22 re-operation.</p> <p>23 Q. So it's your opinion that 50</p> <p>24 percent of women who have mesh exposures can</p> <p>25 be treated conservatively?</p> | <p style="text-align: right;">Page 248</p> <p>1 A. Well, that's a rough,</p> <p>2 across-the-board statement. It's pretty</p> <p>3 much -- in many of the literature, it's</p> <p>4 roughly that number.</p> <p>5 Q. With regard to Prolift®, is it</p> <p>6 your opinion that approximately 50 percent</p> <p>7 of mesh exposures can be treated</p> <p>8 conservatively?</p> <p>9 A. Correct. And the other 50</p> <p>10 percent require surgical exploration.</p> <p>11 Q. And the conservative ways of</p> <p>12 treating a mesh exposure with Prolift® would</p> <p>13 include just watching it and doing nothing;</p> <p>14 correct?</p> <p>15 A. Yes.</p> <p>16 Q. You can use the topical</p> <p>17 application of estrogen; correct?</p> <p>18 A. Yes. As long as there's not a</p> <p>19 contraindication.</p> <p>20 Q. Any other conservative way of</p> <p>21 treating mesh exposure with Prolift®?</p> <p>22 A. I believe those are the two big</p> <p>23 ones.</p> <p>24 Q. And of the 50 percent of patients</p> <p>25 who you believe with Prolift® have to have</p> |

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| <p style="text-align: right;">Page 249</p> <p>1 some type of surgical intervention for their<br/>2 mesh exposure, a majority of them are able<br/>3 to have the mesh excised and treated on one<br/>4 occasion, according to the literature;<br/>5 correct?<br/>6 A. I'd have to look at the<br/>7 literature. I don't know off the top of my<br/>8 head the percentage that one treatment.<br/>9 Probably many can, but I don't know of the<br/>10 exact number.<br/>11 Q. Have you seen any studies on<br/>12 Prolift® that demonstrate that a high number<br/>13 of the patients with mesh exposure who need<br/>14 an intervention have to undergo multiple<br/>15 mesh revisions?<br/>16 A. I've seen a significant number<br/>17 and taken care of them myself in my own<br/>18 practice where one treatment does not do it<br/>19 and they require multiple treatments.<br/>20 Q. In the literature is there a<br/>21 number that you are aware of that you think<br/>22 accurately describes the number of Prolift®<br/>23 mesh exposure patients who need more than<br/>24 one surgical procedure to excise that mesh<br/>25 exposure?</p> | <p style="text-align: right;">Page 250</p> <p>1 A. I don't believe there's an<br/>2 accurate number out there because we don't<br/>3 know the denominator in the situation.<br/>4 Q. In some patients who need<br/>5 excision for a mesh exposure is it correct<br/>6 that the surgeon can in 10 or 15 minutes<br/>7 perform an excision and resuture of that<br/>8 mesh exposure?<br/>9 MR. ANDERSON: Objection.<br/>10 Go ahead.<br/>11 THE WITNESS: It depends upon<br/>12 the magnitude of the erosion. So to answer<br/>13 your question, if it were a very small<br/>14 erosion, that possibly could be done. If<br/>15 it's a large erosion, it can't be done.<br/>16 BY MR. SNELL:<br/>17 Q. If it's a mesh exposure of two to<br/>18 three millimeters, would you agree that in<br/>19 those types of mesh exposures a surgeon can<br/>20 go in, excise that exposure and re-suture it<br/>21 within 10 to 15 minutes?<br/>22 A. Too many variables in that: The<br/>23 patient, her degree of pain, if there's a<br/>24 concurrent infection. If any of those are<br/>25 present, you would not be able to do that.</p> |
| <p style="text-align: right;">Page 251</p> <p>1 If all of those are excluded, then you might<br/>2 be able to. So I can't give you a<br/>3 definitive answer because, again, there's<br/>4 too many variables.<br/>5 Q. How many Prolift® mesh exposures<br/>6 have you treated?<br/>7 A. I wouldn't be able to break it<br/>8 down because I have not looked at<br/>9 specifically Prolift®.<br/>10 In my practice, the majority<br/>11 are Apogee®, Perigee®, Elevate®. I think<br/>12 that's just because of the regional<br/>13 differences of where they're implanted. I<br/>14 know I've taken care of at least -- well,<br/>15 let me back up. Well, I cannot recall a<br/>16 Prolift® exposure.<br/>17 Q. So as you sit here today in your<br/>18 deposition, you cannot recall ever treating<br/>19 a Prolift® mesh exposure; correct?<br/>20 A. I cannot recall. It doesn't mean<br/>21 it didn't happen, but I cannot recall it.<br/>22 Q. But the answer to my question is<br/>23 correct.<br/>24 MR. ANDERSON: Well --<br/>25 BY MR. SNELL:</p>  | <p style="text-align: right;">Page 252</p> <p>1 Q. Correct, you do not recall it.<br/>2 A. I do not recall it, yes.<br/>3 Q. The majority of mesh exposures<br/>4 that you have treated for prolapse surgeries<br/>5 involved Apogee®, Perigee® and the Elevate®<br/>6 products; correct?<br/>7 A. That is correct.<br/>8 Q. How many, in combination,<br/>9 Apogee®, Perigee® and Elevate® mesh<br/>10 exposures have you treated?<br/>11 A. I'm going to give you a rough<br/>12 number: 15 to 20.<br/>13 MR. ANDERSON: Can I just get a<br/>14 clarification?<br/>15 By exposures are we including<br/>16 erosions, extrusions?<br/>17 MR. SNELL: That's a good --<br/>18 MR. ANDERSON: Because<br/>19 sometimes you're saying "exposure" and he's<br/>20 answering with "erosion." I just want to<br/>21 make sure that the record is clear on what<br/>22 we're all talking about.<br/>23 Is that fair?<br/>24 THE WITNESS: Absolutely.<br/>25 Yeah.</p>   |



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| <p style="text-align: right;">Page 253</p> <p>1 BY MR. SNELL:</p> <p>2 Q. So, Doctor, when I'm talking</p> <p>3 about mesh exposures, are we communicating,</p> <p>4 were you talking about the same thing --</p> <p>5 A. Yeah.</p> <p>6 Q. -- or are you talking about</p> <p>7 something totally different?</p> <p>8 A. For the record, let's put it</p> <p>9 down, when I hear "erosion," that means</p> <p>10 perforation into an organ. Bladder is what</p> <p>11 I usually see, that's what usually gets sent</p> <p>12 to me, and urethra. Exposure and extrusion</p> <p>13 are essentially going to be synonyms to me.</p> <p>14 Q. Yeah. What I was talking about</p> <p>15 is mesh exposure, and I think you and I were</p> <p>16 on the same page.</p> <p>17 A. I believe so, yes. And that</p> <p>18 would -- the answer would be roughly 20</p> <p>19 vaginal exposures.</p> <p>20 Q. And then the same holds true, as</p> <p>21 you sit here today, you cannot recall ever</p> <p>22 treating a Prolift® mesh exposure; correct?</p> <p>23 A. I cannot, no.</p> <p>24 Q. Now mesh erosion. Have you ever</p> <p>25 treated a Prolift® mesh erosion, as you have</p> | <p style="text-align: right;">Page 254</p> <p>1 defined how you consider erosion?</p> <p>2 A. I've had to deal with roughly 15</p> <p>3 or 20 mesh erosions, which that's what's</p> <p>4 more commonly sent to me as opposed to the</p> <p>5 gynecologists at our institution. Which</p> <p>6 ones were Prolift® versus the other ones, I</p> <p>7 just can't recall because I didn't keep</p> <p>8 track of that.</p> <p>9 Q. Would it be accurate that the</p> <p>10 majority of mesh erosions that you have</p> <p>11 treated have been Apogee®, Perigee® or</p> <p>12 Elevate®?</p> <p>13 A. I can't say that because, again,</p> <p>14 I don't -- I don't know --</p> <p>15 Q. Okay.</p> <p>16 A. -- which ones.</p> <p>17 Q. In the 15 to 20 cases of mesh</p> <p>18 erosion that you have treated, were the</p> <p>19 majority of them where the mesh eroded into</p> <p>20 the bladder?</p> <p>21 A. Bladder, correct. And then one</p> <p>22 -- two that I can think of were urethral.</p> <p>23 Q. Now, when we're talking 15 to 20</p> <p>24 mesh erosions, are you talking just prolapse</p> <p>25 or are you including urinary incontinence</p>   |
| <p style="text-align: right;">Page 255</p> <p>1 meshes in there too?</p> <p>2 A. I'm including both.</p> <p>3 Q. Of the 15 to 20 mesh erosions, do</p> <p>4 you know how many were for urinary</p> <p>5 incontinence meshes versus prolapse mesh?</p> <p>6 A. The majority probably would be</p> <p>7 for incontinence.</p> <p>8 Q. How many prolapse mesh erosions</p> <p>9 have you treated?</p> <p>10 A. We're talking ten or so.</p> <p>11 Q. Now I'm confused. You said</p> <p>12 you've treated 15 to 20 mesh erosions, which</p> <p>13 included prolapse and urinary incontinence;</p> <p>14 correct?</p> <p>15 A. Yes.</p> <p>16 Q. And you also testified the</p> <p>17 majority of those were urinary incontinence;</p> <p>18 correct?</p> <p>19 A. Okay. Yes. Yes.</p> <p>20 Q. So --</p> <p>21 A. Well, it gets confusing because I</p> <p>22 don't keep a record.</p> <p>23 I can tell you I have had nine</p> <p>24 where we've done laser resections of, using</p> <p>25 Holmium laser when they're in the bladder or</p>  | <p style="text-align: right;">Page 256</p> <p>1 in the urethra. I would have to review the</p> <p>2 database as far as what was causing what,</p> <p>3 but I don't have those records. So that's</p> <p>4 why a lot of this is I'm, you know,</p> <p>5 guesstimating over five, six, seven years.</p> <p>6 Q. Uh-huh.</p> <p>7 A. So that's why there's going to be</p> <p>8 a little bit of difficulty.</p> <p>9 Q. Well, is it your best estimate</p> <p>10 that you've treated less than ten mesh</p> <p>11 erosions specific for prolapse mesh?</p> <p>12 A. I would say it's accurate.</p> <p>13 Q. And you've treated less than ten</p> <p>14 mesh erosions specific to prolapse mesh over</p> <p>15 the last five to six years; correct?</p> <p>16 A. In the guess, yes.</p> <p>17 Q. And for the prolapse mesh</p> <p>18 erosions, how did you go about treating</p> <p>19 those, the revisions?</p> <p>20 A. If there is an isolated piece</p> <p>21 within the bladder and where it is very easy</p> <p>22 to get to, we will attempt to do, use a</p> <p>23 laser on it to resect it to avoid the</p> <p>24 morbidity of an open surgery. If it is a</p> <p>25 large area of erosion, then we'd have to do</p> |



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| <p style="text-align: right;">Page 257</p> <p>1 that open.</p> <p>2 Q. So in your practice you attempt</p> <p>3 to treat both mesh exposure and mesh erosion</p> <p>4 in the most conservative manner first.</p> <p>5 A. Absolutely.</p> <p>6 Q. Are you of the opinion that every</p> <p>7 case of mesh exposure, regardless how --</p> <p>8 strike that.</p> <p>9 There are some cases of mesh</p> <p>10 exposure that are actually asymptomatic;</p> <p>11 correct?</p> <p>12 A. Well, I assume so. If they're</p> <p>13 asymptomatic, we might not be seeing the</p> <p>14 patient, so I don't know. Yes.</p> <p>15 Q. You've seen it described in the</p> <p>16 literature in clinical studies involving</p> <p>17 Prolift® and other prolapse meshes that</p> <p>18 there are mesh exposures which are</p> <p>19 asymptomatic and, as described, that means</p> <p>20 the patient doesn't complain of it, it is</p> <p>21 detected upon vaginal examination; correct?</p> <p>22 A. Yes.</p> <p>23 Q. And are you of the opinion that</p> <p>24 regardless of how small the mesh exposure</p> <p>25 is, a surgeon should seek to go in and take</p>   | <p style="text-align: right;">Page 258</p> <p>1 out all the mesh?</p> <p>2 A. Take out, explant the entire</p> <p>3 mesh?</p> <p>4 Q. Yes.</p> <p>5 A. I would not be of that opinion.</p> <p>6 That is a very, very difficult surgery, very</p> <p>7 morbid surgery. So no. My opinion -- and</p> <p>8 this may vary from others -- you have to do</p> <p>9 the -- attempt the most conservative first.</p> <p>10 Q. That makes sense; right?</p> <p>11 Doctor, if you can treat it</p> <p>12 with estrogen cream, why not treat it that</p> <p>13 way as opposed to doing surgery on it;</p> <p>14 correct?</p> <p>15 A. Yes. The individuals I'm seeing</p> <p>16 have already been treated with estrogen and</p> <p>17 it's failed, so very rarely am I seeing</p> <p>18 those individuals.</p> <p>19 Q. But for an individual who</p> <p>20 presents with a mesh exposure and it's the</p> <p>21 first-time presentation, you would agree</p> <p>22 that conservative treatment is the best</p> <p>23 option.</p> <p>24 A. Not necessarily. It depends upon</p> <p>25 the size of the erosion.</p>   |
| <p style="text-align: right;">Page 259</p> <p>1 Q. I didn't say erosion. Did I say</p> <p>2 erosion? I thought I said exposure.</p> <p>3 A. Okay. Yeah. That's -- yes. I</p> <p>4 heard "exposure," I said "erosion."</p> <p>5 Q. Let's just back up.</p> <p>6 For an individual who presents</p> <p>7 with a mesh exposure for the first time you</p> <p>8 would agree conservative treatment is the</p> <p>9 best option; correct?</p> <p>10 A. And then what I'd say is it</p> <p>11 depends upon the size of the exposure, if</p> <p>12 there is pelvic infection going on or not.</p> <p>13 So large exposures, painful</p> <p>14 patient, obvious induration of the tissues,</p> <p>15 then estrogen may not be advisable. Small</p> <p>16 exposures, otherwise healthy, minimally</p> <p>17 symptomatic, then yes, estrogen replacement.</p> <p>18 Q. If it's a smaller -- let's take</p> <p>19 large exposures out of the picture.</p> <p>20 How do you -- well, how do you</p> <p>21 define large exposures? Do you have a</p> <p>22 benchmark? More than 10 millimeters, 20</p> <p>23 millimeters?</p> <p>24 A. No. I would say in my practice,</p> <p>25 if we're talking greater than one centimeter</p> | <p style="text-align: right;">Page 260</p> <p>1 square, we are now into the larger realm.</p> <p>2 And then certainly two centimeters square.</p> <p>3 Q. So this, what I've drawn, is this</p> <p>4 something you would consider a large</p> <p>5 exposure?</p> <p>6 A. I would consider that larger</p> <p>7 because that's not the entire area of the</p> <p>8 problem because underneath that bacteria has</p> <p>9 gotten into the mesh.</p> <p>10 So if you start exposing that,</p> <p>11 you're going to have denuded, devascularized</p> <p>12 vaginal mucosa. So a one-centimeter</p> <p>13 exposure, one-centimeter-square exposure,</p> <p>14 visually corresponds to possibly two or</p> <p>15 three centimeters of underlying degraded</p> <p>16 tissue and mesh. So that's what I'm saying</p> <p>17 is you can't -- that's the tip of the</p> <p>18 iceberg is the best analogy.</p> <p>19 Q. Well, is that the case in all</p> <p>20 cases -- in all cases of one-centimeter</p> <p>21 exposures, is it your opinion that two to</p> <p>22 three centimeters of tissue below that are</p> <p>23 compromised?</p> <p>24 A. No.</p> <p>25 Q. Are you aware that one-centimeter</p> |

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| <p style="text-align: right;">Page 261</p> <p>1 exposures have been able to have been<br/>2 treated conservatively without surgery?<br/>3 A. I'm also aware of --<br/>4 Q. That's a yes or no answer. Give<br/>5 me the answer and then we can talk about<br/>6 what you're also aware of.<br/>7 Is that correct?<br/>8 A. Yes. Yes.<br/>9 Q. All right. What were you about<br/>10 to say you're also aware of?<br/>11 A. Okay. What -- you have to look<br/>12 at each individual differently. Again, the<br/>13 pain tolerance, the anxiety level of the<br/>14 patient, those factors, also, the vaginal<br/>15 exam.<br/>16 You are absolutely correct, an<br/>17 isolated, small, one centimeter, where the<br/>18 tissue is growing through the mesh and you<br/>19 can just barely feel it is one thing versus<br/>20 another one where you can look at it,<br/>21 there's a foul smell, the patient is very<br/>22 uncomfortable when you touch it, and you get<br/>23 the impression this is a bigger situation.<br/>24 So you cannot go off of just a<br/>25 one-centimeter-square rule.</p>   | <p style="text-align: right;">Page 262</p> <p>1 Q. Okay.<br/>2 A. I'm saying we have to think about<br/>3 all of the options when we see somebody.<br/>4 Q. What percent of your mesh<br/>5 exposure cases had concomitant infection?<br/>6 A. We never cultured them so I<br/>7 cannot say on that. When you look at the<br/>8 mesh and there's granulation tissue and the<br/>9 mesh is exposed, that is a colonized mesh.<br/>10 That, by very strict definition, is an<br/>11 infected mesh. The severity of the<br/>12 infection may be mild.<br/>13 Q. So you never cultured any of<br/>14 these mesh exposures for different types of<br/>15 organisms --<br/>16 A. No.<br/>17 Q. -- to see the count of pathogenic<br/>18 versus non-pathogenic bacteria?<br/>19 A. It will be all contaminated. If<br/>20 we put a probe into the vagina, it's going<br/>21 to be contaminated because we don't know<br/>22 what to do with those kinds of results.<br/>23 I have done it where there's<br/>24 tracking. Just last week, there was<br/>25 tracking going up the -- toward the</p> |
| <p style="text-align: right;">Page 263</p> <p>1 obturator foramen, where you could actually<br/>2 put your finger in a full digit's worth.<br/>3 That I cultured. I don't know what the<br/>4 results are on it because I'm not back home.<br/>5 So, again, there can be no<br/>6 absolutes. Case-by-case situation.<br/>7 Q. Well, in those cases of mesh<br/>8 exposure you treated, how many of them had<br/>9 concomitant elevations of white blood<br/>10 counts?<br/>11 A. We don't routinely check a CBC<br/>12 unless they're going to the operating room.<br/>13 Q. Well, I thought you said that by<br/>14 the time, when they got to you, the majority<br/>15 of them, you were doing some type of mesh<br/>16 excision.<br/>17 A. Yes. And then the CBC,<br/>18 specifically the white count, is not<br/>19 necessarily part of the routine evaluation.<br/>20 White count is only going to be elevated if<br/>21 we're talking about a systemic type of<br/>22 infection. These individuals that I have<br/>23 dealt with have not had systemic infections.<br/>24 Q. So on the mesh exposure cases<br/>25 you've treated they have not had systemic</p> | <p style="text-align: right;">Page 264</p> <p>1 infections; correct?<br/>2 A. No. They've been afebrile.<br/>3 Q. And they haven't had elevated<br/>4 fevers; correct?<br/>5 A. That's what afebrile is. Yeah.<br/>6 No. No, they have not had an elevated<br/>7 temperature.<br/>8 Q. Now, for the mesh erosion cases,<br/>9 you've said if there was an isolated piece<br/>10 of mesh in the bladder, you would use a<br/>11 laser to resect the mesh?<br/>12 A. That would be one of the options.<br/>13 They'd have to be -- so we would attempt to<br/>14 do that if the mesh were in an ideal<br/>15 location, we could get to it, and it<br/>16 appeared that we could easily resect it.<br/>17 And that is an evolving study.<br/>18 At this point, we have nine patients that<br/>19 we've done that in, and we are going to be<br/>20 attempting to publish that data or present<br/>21 that data to AUA in 2013.<br/>22 Q. That is a more conservative way<br/>23 of treating the mesh erosion, in your<br/>24 opinion; correct?<br/>25 A. Correct. Yes.</p>                    |

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| <p style="text-align: right;">Page 265</p> <p>1 Q. Than the open surgery; correct?</p> <p>2 A. That's correct. I have done the</p> <p>3 open surgery. It is very difficult. And</p> <p>4 I'm not necessarily convinced that we can</p> <p>5 adequately solve the problem with that. So</p> <p>6 I try -- my goal is to try as conservative</p> <p>7 as possible.</p> <p>8 Q. What type of open surgery are we</p> <p>9 talking about?</p> <p>10 A. Transabdominal.</p> <p>11 Q. So you make a transabdominal</p> <p>12 incision so you can get to and visualize the</p> <p>13 bladder --</p> <p>14 A. Yeah.</p> <p>15 Q. -- see if there's a mesh</p> <p>16 exposure, mesh erosion to the bladder?</p> <p>17 A. Yeah. Mesh exposure to the</p> <p>18 bladder or if there's banding also. But</p> <p>19 yes, because we can't -- to do it</p> <p>20 transvaginally you -- the tissues are</p> <p>21 densely adherent to this mesh.</p> <p>22 Transvaginally, I don't know a way of being</p> <p>23 able to do that without creating a bigger</p> <p>24 hole and creating a vesicovaginal fistula,</p> <p>25 so that's why we attempt it</p> | <p style="text-align: right;">Page 266</p> <p>1 transabdominally.</p> <p>2 Q. Are you aware of surgeons who --</p> <p>3 strike that.</p> <p>4 Are you aware of surgeons who</p> <p>5 treat mesh erosions transvaginally?</p> <p>6 A. I am not aware of that. The</p> <p>7 treatment as far as dealing with this --</p> <p>8 just like the nomenclature of the problem is</p> <p>9 evolving, I am by no means stating that the</p> <p>10 way I do it is the absolute correct way. We</p> <p>11 are all figuring this thing out, and that's</p> <p>12 why the attendance at meetings in national,</p> <p>13 international are key to talk about this.</p> <p>14 Q. So is it correct that as you sit</p> <p>15 here today, you do not know how to treat a</p> <p>16 mesh erosion transvaginally?</p> <p>17 A. No. I know how to -- I could do</p> <p>18 it. I'm -- I can take care of vesicovaginal</p> <p>19 fistulas transvaginally. I'm prepared to do</p> <p>20 that.</p> <p>21 I don't know of the ones that I</p> <p>22 have seen that I would be able to get the</p> <p>23 mesh out and get the bladder healthy, trim</p> <p>24 off the ischemic or infected sections, close</p> <p>25 that without injury to the ureteral orifices</p>             |
| <p style="text-align: right;">Page 267</p> <p>1 and then subsequently close the bladder --</p> <p>2 close the vagina and hope it's going to</p> <p>3 work. If somebody can do it, great. I'd</p> <p>4 like to see that study and video and</p> <p>5 follow-up.</p> <p>6 Q. In the mesh erosion cases that</p> <p>7 you've had -- strike that.</p> <p>8 In the mesh erosion cases you</p> <p>9 have had involving prolapse mesh for which</p> <p>10 you --</p> <p>11 A. Prolapse. Okay. Yes. I'm</p> <p>12 sorry.</p> <p>13 Q. SUI on the side.</p> <p>14 A. Yeah.</p> <p>15 Q. For the mesh erosion cases you</p> <p>16 have dealt with involving prolapse mesh for</p> <p>17 which we agreed that it's likely less than</p> <p>18 ten -- correct?</p> <p>19 A. That is correct.</p> <p>20 Q. How many of those patients had</p> <p>21 systemic infections?</p> <p>22 A. None of them had clinical</p> <p>23 evidence of fever to suspect that. They had</p> <p>24 localized discomfort and discharge.</p> <p>25 Q. And if there was a -- if there</p>   | <p style="text-align: right;">Page 268</p> <p>1 was a mesh erosion for prolapse surgery that</p> <p>2 you treated -- strike that.</p> <p>3 For one of these mesh erosion</p> <p>4 surgeries that you've performed regarding</p> <p>5 prolapse did you attempt to remove all the</p> <p>6 mesh in every case or did you start more</p> <p>7 conservatively and kind of handle things as</p> <p>8 they came?</p> <p>9 A. I -- first of all, I think it is</p> <p>10 next to impossible to remove all of the</p> <p>11 mesh, with the arms, to -- to burrow it out</p> <p>12 of the muscles. Physically, that is very,</p> <p>13 very difficult.</p> <p>14 In comparison, a recent case of</p> <p>15 a TVT® erosion, it was horribly difficult,</p> <p>16 where we used big scissors to chomp the</p> <p>17 thing out. And those are easy, compared to</p> <p>18 pelvic organ prolapse meshes. So no, my</p> <p>19 goal is not to go and get rid of all the</p> <p>20 mesh. My goal is to go in there and to</p> <p>21 remove what problem can be easily done.</p> <p>22 And the reason is not because</p> <p>23 I'm afraid of the work, it's that I'm</p> <p>24 concerned that I might not solve the</p> <p>25 problem, I might create more issues in</p> |

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| <p style="text-align: right;">Page 269</p> <p>1 trying to deal with it. And that's my<br/>2 personal technique. Others at my<br/>3 institution have a different approach.<br/>4 Q. Mesh erosions from prolapse can<br/>5 come in different sizes; correct?<br/>6 A. Yes.<br/>7 Q. Different degrees of severity;<br/>8 correct?<br/>9 A. Yes.<br/>10 Q. And if you had a small mesh<br/>11 erosion from a prolapse mesh, you wouldn't<br/>12 need to remove all the mesh that had been<br/>13 put in in the first place; correct?<br/>14 A. Again, you have to look at the<br/>15 totality of the patient, what all they're<br/>16 describing.<br/>17 My philosophy, which is<br/>18 specifically me, is try and do as little as<br/>19 possible because the mesh in the belly is a<br/>20 viper. You start opening it up, you expose<br/>21 more of it, spill urine on it, and you might<br/>22 be creating more of an inflammatory<br/>23 response.<br/>24 So to answer your question, if<br/>25 there's a small mesh erosion, my goal is to</p>                                 | <p style="text-align: right;">Page 270</p> <p>1 do as little as possible. But I have been<br/>2 burned doing that, also.<br/>3 Q. So if there's a small mesh<br/>4 erosion, your goal is to do as little as<br/>5 possible for treating that mesh erosion for<br/>6 prolapse; correct?<br/>7 A. Again, looking at the patient in<br/>8 the totality, what all is she describing?<br/>9 If she's only describing voiding issues,<br/>10 dysuria, those types of things, then, yes,<br/>11 as little as possible. If she is describing<br/>12 intense pelvic pain and on pelvic exam I can<br/>13 feel banding or folding, then I will do<br/>14 more, maybe. It's patient by patient.<br/>15 Q. It depends upon how the patient<br/>16 presents and her symptomatology; correct?<br/>17 A. That is -- that is a fair<br/>18 statement, yes.<br/>19 Q. And so for mesh erosion cases<br/>20 involving prolapse you're not of the opinion<br/>21 that the mesh needs to be taken out in every<br/>22 case; correct?<br/>23 A. That is my personal opinion.<br/>24 And, again, this is evolving. I don't know<br/>25 if the -- the right answer is known yet.</p> |
| <p style="text-align: right;">Page 271</p> <p>1 But that is my personal opinion, yes.<br/>2 Q. What type of laser are you using<br/>3 for these resections on the more<br/>4 conservative way of treating mesh erosion?<br/>5 A. Holmium. Holmium, H-O-L-I-U-M.<br/>6 Q. Is that the brand name or is that<br/>7 the actual type of beam?<br/>8 A. No. That's the actual beam. I<br/>9 don't know what company makes it.<br/>10 Q. How many cases of mesh<br/>11 contraction --<br/>12 A. Too --<br/>13 Q. -- have you treated?<br/>14 A. Too numerous to count. I don't<br/>15 know. I don't keep track. I mean, but<br/>16 contraction and pain and banding all in the<br/>17 same category, and I will not even be able<br/>18 to give you an estimate.<br/>19 Well, I can tell you an<br/>20 example. The Friday before I talked to Adam<br/>21 Slater, November 2nd, I believe, I saw five.<br/>22 And the numbers are increasing from...<br/>23 Q. How many cases of mesh<br/>24 contraction have you seen for prolapse mesh?<br/>25 A. That's what I'm talking about. I</p> | <p style="text-align: right;">Page 272</p> <p>1 mean, they're too numerous to count. I<br/>2 don't know.<br/>3 Q. When was the first case of mesh<br/>4 contraction that you treated from a prolapse<br/>5 mesh?<br/>6 A. Good question. I don't know. It<br/>7 slowly started, like a snowball or whatever<br/>8 that rolling down the hill, whatever that<br/>9 thing is called. I have no idea to give you<br/>10 a fair estimate or when that began. Because<br/>11 it wasn't really registering. It was an<br/>12 isolated problem that became more and more<br/>13 frequent.<br/>14 Q. As you sit here today, you're not<br/>15 able to tell me when you first began -- when<br/>16 you first treated a mesh contraction case<br/>17 for Prolift®.<br/>18 A. No, I --<br/>19 MR. ANDERSON: Objection.<br/>20 MR. SNELL: Strike that. That<br/>21 was a bad question. I got my words mixed<br/>22 up.<br/>23 BY MR. SNELL:<br/>24 Q. As you sit here today, is it<br/>25 correct that you cannot tell me when you</p>  |

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| <p style="text-align: right;">Page 273</p> <p>1 first treated a case of mesh contraction<br/>2 from prolapse mesh?<br/>3 A. I --<br/>4 MR. ANDERSON: Asked and<br/>5 answered.<br/>6 Go ahead.<br/>7 THE WITNESS: I can tell you<br/>8 the first that I remember, which is not the<br/>9 first case. The first case that I remember.<br/>10 MR. SNELL: Okay.<br/>11 THE WITNESS: 2009. It was a<br/>12 patient from Minneapolis who came down to me<br/>13 who had a Prolift® by Dr. Kirkemo.<br/>14 MR. SNELL: Okay.<br/>15 THE WITNESS: And I can<br/>16 remember it very clearly because I asked,<br/>17 who did your surgery and she said<br/>18 Dr. Kirkemo, who I knew of his name. And<br/>19 she says he had died.<br/>20 And so I hadn't heard that so<br/>21 that's why I remembered it. And that was<br/>22 for pelvic pain. On exam, there was<br/>23 contraction and banding. And I didn't think<br/>24 anything more of it beyond that until I got<br/>25 involved in this and I realized that</p>   | <p style="text-align: right;">Page 274</p> <p>1 Dr. Kirkemo was still alive.<br/>2 BY MR. SNELL:<br/>3 Q. So you're talking about Dr. Aaron<br/>4 Kirkemo?<br/>5 A. Correct. Yes.<br/>6 Q. Do you know Dr. Aaron Kirkemo?<br/>7 A. I have only encountered him<br/>8 briefly at the Minnesota Urological<br/>9 Association meeting. I'd have to look -- I<br/>10 don't know if it's in my CV or not -- we<br/>11 gave a talk or sacrocolpopexy, my resident<br/>12 did, Dr. Igor Frank, not that that's --<br/>13 that's not pertinent.<br/>14 And we made the comment that<br/>15 the robotic -- the sacrocolpopexy itself<br/>16 puts the vagina in a more normal access,<br/>17 which is pretty much an undisputed comment<br/>18 or conclusion.<br/>19 And he says, "I disagree. I<br/>20 think sacrospinous fixation is more normal."<br/>21 And I said, "No, there's no<br/>22 data to support that. It puts it off to the<br/>23 right angle." And that was it.<br/>24 And so that was in 2003, 2004,<br/>25 around that time. So that's -- that's my</p> |
| <p style="text-align: right;">Page 275</p> <p>1 only interaction that I know of as<br/>2 encountering him, until that one patient.<br/>3 And that was not directly with him.<br/>4 Q. And so you were talking about<br/>5 sacrospinous ligament fixation that's<br/>6 performed where the vagina is moved over to<br/>7 anchor it towards one side of the<br/>8 sacrospinous ligament.<br/>9 A. Correct. Usually the right side,<br/>10 just because the surgeons are, the majority,<br/>11 right-handed.<br/>12 Q. As opposed to the other technique<br/>13 where it is actually attached to both<br/>14 sacrospinous ligaments.<br/>15 A. Correct. Yes. Which is done<br/>16 sometimes. But this one happened to be<br/>17 because he was talking off of the right<br/>18 side.<br/>19 Q. Were you trained on -- what's<br/>20 that approach for the sacrospinous ligament<br/>21 where it's attached to both sides?<br/>22 A. Yeah, I know what you're<br/>23 referring to, and no, I was not.<br/>24 Q. That's the only time you've ever<br/>25 spoken to or seen Dr. Kirkemo?</p> | <p style="text-align: right;">Page 276</p> <p>1 A. Yeah. And I wouldn't say I was<br/>2 necessarily speaking to him. I was speaking<br/>3 to the audience, addressing his comment,<br/>4 which I didn't think was accurate, based<br/>5 upon the medical literature.<br/>6 Q. Was he talking about the<br/>7 unilateral sacrospinous ligament fixation --<br/>8 A. Yeah.<br/>9 Q. -- or the bilateral attachment?<br/>10 A. Unilateral. I believe<br/>11 unilateral. I can't recall it specifically.<br/>12 Q. What about Dr. Dennis Miller; do<br/>13 you know him?<br/>14 A. No, I do not.<br/>15 Q. Dr. Piet Hinoul, do you know him?<br/>16 A. No. Never met him, either of<br/>17 those.<br/>18 Q. Dr. Charlotte Owens, do you<br/>19 know --<br/>20 A. No, never met her.<br/>21 Q. Do you know anyone from Ethicon,<br/>22 besides this interaction you had with<br/>23 Dr. Kirkemo, who subsequently was there?<br/>24 A. Yeah. To the best of my<br/>25 knowledge, only Dr. Kirkemo, which, again,</p>  |



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| <p style="text-align: right;">Page 277</p> <p>1 is brief. Dr. Robinson I believe was in<br/> 2 Kansas City or something like that, so I've<br/> 3 given talks in Kansas, I believe. I don't<br/> 4 recall exactly. So, I mean, I could have --<br/> 5 I don't know him.<br/> 6 Q. You don't have any specific<br/> 7 recollection of knowing him, of talking<br/> 8 with --<br/> 9 A. None. Absolutely not.<br/> 10 Q. -- Dave Robinson or --<br/> 11 A. Absolutely none.<br/> 12 Q. Other than the one case of<br/> 13 Prolift® mesh contraction, are you aware of<br/> 14 any other mesh contraction cases you've<br/> 15 dealt with that concerned Prolift®?<br/> 16 A. Yeah. One recently where there<br/> 17 was banding deep into the vagina. You could<br/> 18 feel a -- a 52-or-so-year-old woman, it was<br/> 19 actually done in the same group,<br/> 20 Dr. Kirkemo's old group, which I get a fair<br/> 21 bit of business from, and a very specific<br/> 22 band and severe dyspareunia.<br/> 23 Q. Was that a more recent case?<br/> 24 A. Yes. In the past -- actually --<br/> 25 actually, it's been probably about three</p>            | <p style="text-align: right;">Page 278</p> <p>1 months, because I saw her back, and what we<br/> 2 -- we initially had success and then the<br/> 3 pain came, returned.<br/> 4 Q. The first case that you talked<br/> 5 about of mesh contraction, were you<br/> 6 successful in treating that?<br/> 7 A. No.<br/> 8 Q. What was the course of that?<br/> 9 A. Well, if you're referring to that<br/> 10 Prolift® Kirkemo patient --<br/> 11 Q. Yes.<br/> 12 A. -- no, I was not. It was diffuse<br/> 13 pelvic pain.<br/> 14 The majority of what I see,<br/> 15 like those five patients just recently, is<br/> 16 this diffuse pelvic pain, which I don't have<br/> 17 any treatment for.<br/> 18 Q. Do you refer them to anyone who<br/> 19 has treatment modalities?<br/> 20 A. Yes. Either our -- our pain<br/> 21 clinic, sometimes our physical medicine and<br/> 22 rehab, which deals with pelvic floor<br/> 23 myalgia, or Dr. Antolak is close, and I will<br/> 24 send it to him.<br/> 25 Q. What's Dr. Antolak's first name?</p>   |
| <p style="text-align: right;">Page 279</p> <p>1 A. Stanley.<br/> 2 Q. What type of doctor is he?<br/> 3 A. He -- well, he's a urologist and<br/> 4 he was at Mayo and specializes in pelvic<br/> 5 pain, and then he retired and then restarted<br/> 6 practice up in the Minneapolis area. So if<br/> 7 you -- if you -- just so we're clear, I do<br/> 8 know him quite well. He is -- has given a<br/> 9 deposition in I believe Gross's or Wicker's.<br/> 10 Q. Okay.<br/> 11 A. So I do know -- I have not<br/> 12 personally spoken with him in four or five<br/> 13 years but I do know him quite well from my<br/> 14 work at Mayo.<br/> 15 Q. And you say he used to be at Mayo<br/> 16 but now he's where?<br/> 17 A. Minneapolis area. And he runs<br/> 18 the -- I think it's called the Midwest<br/> 19 Pelvic Pain Clinic or something like that.<br/> 20 It's -- it's some variant of that. And so<br/> 21 if the patient is from the Minneapolis area<br/> 22 and there's nothing I can do, frequently,<br/> 23 I'll send it to him.<br/> 24 Q. Mayo Pelvic Pain Clinic actually<br/> 25 collects data on how successful they are in</p> | <p style="text-align: right;">Page 280</p> <p>1 treating pain syndromes; correct?<br/> 2 A. Well, they don't have a pelvic<br/> 3 pain clinic, that I'm aware of. They have a<br/> 4 pain clinic.<br/> 5 Q. I thought that's what I said.<br/> 6 A. You said --<br/> 7 Q. Oh, you're right. You're right.<br/> 8 You're right. Let me rephrase it because I<br/> 9 didn't mean to say that.<br/> 10 The Mayo Pain Clinic actually<br/> 11 collects data on how successful they are in<br/> 12 the outcomes of things such as lessening<br/> 13 patients' pain; correct?<br/> 14 A. I -- I -- not to be difficult, I<br/> 15 have no idea if they do or not.<br/> 16 Q. Would it surprise you that over<br/> 17 75 percent of the patients treated at the<br/> 18 Mayo Pain clinic report improvements in<br/> 19 their pain symptomatology?<br/> 20 A. Yeah. Improvement doesn't mean a<br/> 21 whole lot to me because improvement could be<br/> 22 pain going from a seven to a six,<br/> 23 statistically improved, significant but<br/> 24 clinically not significant.<br/> 25 Q. So as you sit here today, do you</p> |



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| <p style="text-align: right;">Page 281</p> <p>1 know whether Mayo Clinic's Pain Clinic<br/>2 offers treatment for patients which is<br/>3 statistically significant but not clinically<br/>4 significant?<br/>5 A. No, that's not what I said. I'm<br/>6 just saying improvement in pain is good, but<br/>7 is it good enough? And I don't know. I<br/>8 have not seen or talked to anybody in the<br/>9 clinic of what their results are.<br/>10 Q. You haven't looked at their<br/>11 Website to see what the Mayo Clinic, pain<br/>12 clinic, reports as their rates of success<br/>13 for outcomes?<br/>14 A. No, I have not.<br/>15 Q. When you refer your patients to<br/>16 the pain clinic at the Mayo Clinic, why do<br/>17 you make those referrals?<br/>18 A. Because there's nothing I can do<br/>19 for them, and we're trying to help the<br/>20 individual out in any way we can.<br/>21 Q. Well, would you agree that<br/>22 actually sending them to the pain clinic<br/>23 first instead of doing surgery on them is a<br/>24 more conservative approach to treating their<br/>25 pain syndrome?</p>        | <p style="text-align: right;">Page 282</p> <p>1 A. If they have banding in the<br/>2 vagina where I can actually palpate it, I<br/>3 touch it and the woman literally screams,<br/>4 then I don't believe any physical therapy is<br/>5 going to be resolving that. If they have<br/>6 diffuse pelvic discomfort with movement,<br/>7 doing anything, then, by all means, you're<br/>8 right, I send them to the pain clinic, if<br/>9 they can get in.<br/>10 Q. If they have banding in the<br/>11 vagina, you've seen it reported in the<br/>12 literature that in many cases that can be<br/>13 successfully treated by releasing the band;<br/>14 correct?<br/>15 MR. ANDERSON: Objection.<br/>16 Go ahead.<br/>17 THE WITNESS: Yeah. Yeah.<br/>18 That's why I do it.<br/>19 BY MR. SNELL:<br/>20 Q. And that's how you treat the<br/>21 cases where there is banding. You attempt<br/>22 to go in and release that band that's in<br/>23 tension; correct?<br/>24 A. Correct. And that is a very<br/>25 specific situation where on pelvic exam I</p> |
| <p style="text-align: right;">Page 283</p> <p>1 can touch the specific area, you can feel<br/>2 it, it's like a rope, and other places it's<br/>3 not that way. And then I do that. I try<br/>4 and -- I cut it and resect as much of the<br/>5 mesh as I can to hope to reduce that<br/>6 tension.<br/>7 Q. So when there's a band, you cut<br/>8 it and resect the mesh in that particular<br/>9 area; correct?<br/>10 A. Only that particular area.<br/>11 Correct.<br/>12 Q. You're not a doctor or surgeon<br/>13 who goes in and removes mesh over in another<br/>14 part of the vagina that's not banded and is<br/>15 not symptomatic upon examination; correct?<br/>16 A. That is correct. If it ain't<br/>17 broke, I don't go over there.<br/>18 Q. And in many cases you've been<br/>19 able to release that band and alleviate the<br/>20 painful response; correct?<br/>21 A. Temporarily. I'd have to say<br/>22 that, again, I have not statistically<br/>23 analyzed this. I've had very good results<br/>24 for a week or two and the woman -- the last<br/>25 one I mentioned roughly three months ago</p> | <p style="text-align: right;">Page 284</p> <p>1 came back and the pain is back. So it's<br/>2 very frustrating for everybody.<br/>3 Q. You've had cases where there has<br/>4 been specific banding to one area of the<br/>5 vagina and you released that band and that<br/>6 has resulted in a positive outcome for the<br/>7 patient; correct?<br/>8 MR. ANDERSON: Objection.<br/>9 Asked and answered.<br/>10 Go ahead.<br/>11 THE WITNESS: Yes. But you<br/>12 have to put the qualifier in there,<br/>13 temporarily.<br/>14 BY MR. SNELL:<br/>15 Q. In every case in which you've<br/>16 done a band release is it your testimony<br/>17 that in every one of those cases they have<br/>18 had further pain?<br/>19 MR. ANDERSON: Objection.<br/>20 Go ahead.<br/>21 THE WITNESS: No. Without<br/>22 really looking at the data closer, because I<br/>23 don't have that tabulated, I have to go on a<br/>24 gut feeling on it, which is not a very<br/>25 accurate way of looking at this problem.</p>  |

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| <p style="text-align: right;">Page 285</p> <p>1 I would say some are improved<br/> 2 and they have not come back. See, if they<br/> 3 don't come back, I've kind of forgotten<br/> 4 about them. So what I do is I see the ones<br/> 5 who do come back, so they stick out in your<br/> 6 mind more.<br/> 7 BY MR. SNELL:<br/> 8 Q. So in some of your patients who<br/> 9 have had banding in the vagina you've been<br/> 10 able to release that banding and it has<br/> 11 alleviated their pain --<br/> 12 A. But --<br/> 13 Q. -- such that they have not come<br/> 14 back to you; correct?<br/> 15 A. That -- I can't answer --<br/> 16 MR. ANDERSON: Objection.<br/> 17 Go ahead.<br/> 18 THE WITNESS: I can't answer<br/> 19 that because they have not come back to me.<br/> 20 BY MR. SNELL:<br/> 21 Q. Well, that's what I'm qualifying.<br/> 22 A. No. That may mean they've gone<br/> 23 to a different doctor.<br/> 24 Q. All right. I've got you.<br/> 25 A. So that's why I can't -- I can't</p> | <p style="text-align: right;">Page 286</p> <p>1 be statistically --<br/> 2 Q. How about this? In some of your<br/> 3 patients who have had banding in their<br/> 4 vagina for which you've gone in and released<br/> 5 the band, they have come back to you and<br/> 6 they have reported improvements; correct?<br/> 7 A. No.<br/> 8 Q. No?<br/> 9 A. They come back to me -- they've<br/> 10 come back to me and said, I was good for a<br/> 11 while and it is now back.<br/> 12 Q. I think I'm getting confused now.<br/> 13 Patient has a band.<br/> 14 A. Uh-huh. Yes.<br/> 15 Q. You decide I need to release that<br/> 16 band. You do that procedure; correct?<br/> 17 A. Yes.<br/> 18 Q. We're together.<br/> 19 A. Yes.<br/> 20 Q. Do you ask those patients to come<br/> 21 back for postoperative follow-up or do you<br/> 22 just send them on their way?<br/> 23 A. We ask them -- well, to say to<br/> 24 send them on their way sounds very cruel.<br/> 25 What we do is say we have treated this --</p> |
| <p style="text-align: right;">Page 287</p> <p>1 Q. Okay.<br/> 2 A. -- we have cut this. If you are<br/> 3 -- if you have problems, you come back and<br/> 4 see us.<br/> 5 Q. Okay.<br/> 6 A. If you're doing fine, there's no<br/> 7 reason for you to come back and see me for<br/> 8 me to tell you you're doing fine because my<br/> 9 practice is set up such that I have people<br/> 10 all over the world.<br/> 11 I cannot have somebody from<br/> 12 Florida fly back for five minutes for me to<br/> 13 say, oh, good, you're happy, go back home.<br/> 14 Then I have an angry person on my hands. So<br/> 15 my practice will not necessarily reflect<br/> 16 other people's practices.<br/> 17 Q. I understand.<br/> 18 So you have -- all right. Let<br/> 19 me see.<br/> 20 So after you -- you've treated<br/> 21 patients by releasing the band in surgery;<br/> 22 correct?<br/> 23 A. Yes.<br/> 24 Q. And you told them, if you have<br/> 25 any problems, come back to me; correct?</p>       | <p style="text-align: right;">Page 288</p> <p>1 A. Correct.<br/> 2 Q. And you told them, if you're<br/> 3 doing fine, you don't need to come back to<br/> 4 me; correct?<br/> 5 A. Yes.<br/> 6 Q. And you would agree that there<br/> 7 are patients who have not come back to you;<br/> 8 correct?<br/> 9 A. Yes. That is correct.<br/> 10 Q. Do you expect patients to follow<br/> 11 your recommendations?<br/> 12 MR. ANDERSON: Objection.<br/> 13 Go ahead.<br/> 14 THE WITNESS: I would hope they<br/> 15 would follow my instructions.<br/> 16 BY MR. SNELL:<br/> 17 Q. If you told a patient they should<br/> 18 go to the pain clinic at the Mayo Clinic,<br/> 19 would you expect them to go?<br/> 20 A. Not necessarily. I have lots of<br/> 21 instructions. Patients get overwhelmed,<br/> 22 they're under stress, they're worried. They<br/> 23 probably only hear a fraction of what I<br/> 24 say. That's why I tend to write things down<br/> 25 for them. I go over it. And there is</p>               |

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| <p style="text-align: right;">Page 289</p> <p>1 always going to be a concern of<br/>2 communication issues.<br/>3 If you have somebody who's in<br/>4 an intense amount of pain and crying in your<br/>5 office, which happens on a daily basis for<br/>6 me, they might not necessarily retain<br/>7 everything I say. Now, I'm quite cognizant<br/>8 of that.<br/>9 Q. That's why you give them written<br/>10 referrals; correct?<br/>11 A. That's why we -- a copy of my<br/>12 notes always go to them and to their doctor<br/>13 back home.<br/>14 Q. That's why if you make a referral<br/>15 to the Mayo Pain Clinic, sometimes you'll<br/>16 have the pain clinic contact the -- contact<br/>17 the patient to see if they are going to<br/>18 follow that recommendation; correct?<br/>19 A. I can't say that because the<br/>20 problem with our pain clinic is they can be<br/>21 out months. So if a patient is in my<br/>22 office, I put an order through for it and a<br/>23 patient is from a long ways away or has<br/>24 family, they can't make it to it. Because<br/>25 it's not like a same-day service. And they</p>        | <p style="text-align: right;">Page 290</p> <p>1 can't travel -- if you're in the Dakotas,<br/>2 the Dakotas are huge states. You can be 14<br/>3 hours away and still be in one of the<br/>4 Dakotas. And you can't make that trip back.<br/>5 Q. Besides the two cases of Prolift®<br/>6 mesh contraction that you've recalled, do<br/>7 you recall any others specific to Prolift®?<br/>8 A. I don't recall any, no.<br/>9 Q. I'm not sure if I asked this, but<br/>10 for prolapse-specific mesh contraction was<br/>11 the first case that you remember the 2009<br/>12 case?<br/>13 A. There were --<br/>14 Q. Was that the first Prolift®<br/>15 prolapse cases?<br/>16 A. No. There were more before then,<br/>17 but it's a blur. That's the 2009 one, it's<br/>18 just because that happened to be very<br/>19 significant with Kirkemo's death, which was<br/>20 not accurate.<br/>21 MR. ANDERSON: Greatly<br/>22 exaggerated?<br/>23 THE WITNESS: Yeah. That's<br/>24 right.<br/>25 MR. ANDERSON: Can we take a</p> |
| <p style="text-align: right;">Page 291</p> <p>1 break here in a couple of minutes? We've<br/>2 been going for an hour and a half.<br/>3 MR. SNELL: Oh, yeah. Yes.<br/>4 BY MR. SNELL:<br/>5 Q. In the past year, can you give me<br/>6 an estimate as to the number of mesh<br/>7 contraction cases you have treated for<br/>8 prolapse?<br/>9 A. It's difficult to ascertain. The<br/>10 only reason, I'm not trying to be difficult<br/>11 as far as answering your question, because<br/>12 in August, when that FDA report came out, I<br/>13 believe it was at -- well, whenever it was.<br/>14 I think it was in August.<br/>15 It was in August when that FDA<br/>16 announcement came out about pelvic organ<br/>17 prolapse meshes, and then in September when<br/>18 I had a document with Public Citizen, Ralph<br/>19 Nader's group, read, the number of my<br/>20 consults started to rapidly rise and the<br/>21 telephone calls.<br/>22 And so I can give you an idea<br/>23 of the number of telephone calls or requests<br/>24 for consultation per week are roughly three<br/>25 or four, maybe, per week. How many of those</p> | <p style="text-align: right;">Page 292</p> <p>1 actually make it into my clinic is going to<br/>2 be in a given week probably five a week.<br/>3 And that's a really tough guess<br/>4 because sometimes there's going to be a<br/>5 whole bunch and sometimes there's going to<br/>6 be none.<br/>7 MR. SNELL: Okay. Take a<br/>8 break.<br/>9 (Recess, 6:06-6:19 p.m.)<br/>10 BY MR. SNELL:<br/>11 Q. Ready to go?<br/>12 A. Yes, sir.<br/>13 Q. You're aware that Prolene has<br/>14 been used for about half a century?<br/>15 A. Since 1958, as I recall.<br/>16 Q. Have you used Prolene sutures in<br/>17 your surgeries?<br/>18 A. Rarely. Yes.<br/>19 Q. Do you use different types of<br/>20 sutures for different surgeries?<br/>21 A. Yes.<br/>22 Q. In the 1950s, surgical meshes for<br/>23 hernia repairs were introduced; correct?<br/>24 A. Yes.<br/>25 Q. In around the 1970s, surgical</p>   |

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| <p style="text-align: right;">Page 293</p> <p>1 mesh was used to treat prolapse via the<br/>2 abdominal sacrocolpopexy; correct?<br/>3 A. I don't know when it was started<br/>4 using there. And that sounds roughly the<br/>5 right time frame.<br/>6 Q. In the 1990s, vaginal mesh was<br/>7 used to treat prolapse via the transvaginal<br/>8 route; correct?<br/>9 A. Mesh, transvaginal, in the 1990s.<br/>10 I was unaware of that. The only ones I know<br/>11 about is the French group, and I don't know<br/>12 when they started.<br/>13 Q. So you're not aware of when the<br/>14 French TVM group began looking at meshes to<br/>15 use in the TVM study?<br/>16 A. No. What I know is some of their<br/>17 original studies and discussions, I saw one<br/>18 paper in I believe 2001, 2002, talking about<br/>19 the hypothesis or the possibility of doing<br/>20 this. So when they actually began, we'd<br/>21 have to predate that, which would be the<br/>22 late '90s.<br/>23 Q. One of your criticisms of the<br/>24 Prolift® is that -- and any transvaginal<br/>25 mesh for pelvic organ prolapse is that it's</p>   | <p style="text-align: right;">Page 294</p> <p>1 placed through the vagina; correct?<br/>2 A. Correct.<br/>3 Q. And as you opine, the vagina is a<br/>4 contaminated environment.<br/>5 A. Clean contaminated, which was<br/>6 supported by the depositions of Hinoul and<br/>7 Robinson and others.<br/>8 Q. So it would be accurate that the<br/>9 vagina is a clean contaminated environment?<br/>10 A. At the time of surgery it's a<br/>11 clean contaminated.<br/>12 Q. Tell me what you mean by that.<br/>13 A. That means that it -- you can<br/>14 prep the vagina -- it has to be -- well,<br/>15 let's back up. Let's go back to the<br/>16 contrast to say like an abdominal procedure<br/>17 where you can place Betadine and other<br/>18 substances, alcohol, those types of things,<br/>19 and get the bacterial count markedly down to<br/>20 as close to zero as possible for a time.<br/>21 Orifice surgery, as we call it,<br/>22 whether it be mouth, ears -- maybe I<br/>23 shouldn't say ears, the ENT people would<br/>24 probably disagree with that -- vagina or<br/>25 rectum, bowel surgery, you can never even</p> |
| <p style="text-align: right;">Page 295</p> <p>1 remotely get them sterile. You can just get<br/>2 them clean. You can decrease the bacterial<br/>3 count but it's still a contaminated field.<br/>4 Q. For the abdomen, you can get the<br/>5 bacterial count down but not totally wipe it<br/>6 out; correct?<br/>7 A. No. You can -- I've done one<br/>8 study as far as in artificial sphincters,<br/>9 that's a treatment for male incontinence,<br/>10 where we would have the patient with an<br/>11 antibiotic scrub for several days, then we'd<br/>12 do a ten-minute prep, and then we'd culture<br/>13 the skin at the time of surgery, and the<br/>14 bacterial count was essentially zero in most<br/>15 individuals.<br/>16 So the bacteria will come<br/>17 back. And then you can also on the abdomen,<br/>18 especially if you're using prosthetics, put<br/>19 down -- gosh, what do you call it? There's<br/>20 a name, a plastic cover that sticks to the<br/>21 body that you cut into so that the skin is<br/>22 not exposed at all. So you can have it be a<br/>23 sterile environment.<br/>24 Q. For the sacrocolpopexy?<br/>25 A. You could do it for the</p> | <p style="text-align: right;">Page 296</p> <p>1 sacrocolpopexy. I don't.<br/>2 Q. Do you do it at Mayo Clinic as<br/>3 standard treatment, to put this plastic<br/>4 covering on the body?<br/>5 A. No. But the hernia surgeons do<br/>6 it for the meshes.<br/>7 Q. But for your sacrocolpopexies do<br/>8 you do it?<br/>9 A. No.<br/>10 Q. And when you do a sacral --<br/>11 abdominal sacrocolpopexy, are you saying you<br/>12 put like Betadine and stuff on the stomach<br/>13 where you're going to make your incision?<br/>14 A. That's correct. There's a<br/>15 standard prep we do, which is a ten-minute<br/>16 Betadine prep, followed by waiting five or<br/>17 six minutes, something, there's a certain<br/>18 waiting time that my surgical team does,<br/>19 that they have to let it dry. In the<br/>20 process, that theoretically decreases the<br/>21 bacterial count as much as possible.<br/>22 Q. Does it reduce it all the way<br/>23 down to zero?<br/>24 A. I have not studied it.<br/>25 Q. Have you studied for how long</p>   |

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| <p style="text-align: right;">Page 297</p> <p>1 that bacterial -- what do you call it,<br/> 2 Doctor, where it brings the bacterial count<br/> 3 down? Bacterial reduction?<br/> 4 A. Well, bacterial count.<br/> 5 Q. Bacterial count reduction?<br/> 6 A. I have --<br/> 7 Q. Let me just get the question<br/> 8 because I just want to make sure I'm not<br/> 9 using terminology that's crazy.<br/> 10 Do you know for how long with<br/> 11 the Betadine prep that you've identified<br/> 12 that is effective in reducing the bacterial<br/> 13 count?<br/> 14 A. All I can correlate with that is<br/> 15 studies that I've done with the artificial<br/> 16 sphincter, which is roughly a 45-minute to<br/> 17 hour-long case, we compare the culture at<br/> 18 the beginning and the end. There are<br/> 19 studies out there specifically in ortho, in<br/> 20 ortho hip services, where they would culture<br/> 21 the skin repeatedly. I don't know that<br/> 22 data, though.<br/> 23 Q. Do you know data, though, for<br/> 24 prolapse surgery like the sacrocolpopexy,<br/> 25 for how long the bacterial count is reduced?</p> | <p style="text-align: right;">Page 298</p> <p>1 A. No, I do not.<br/> 2 Q. And your sacrocolpopexies take<br/> 3 more than 45 minutes; correct?<br/> 4 A. Yes.<br/> 5 Q. They take more than 60 minutes;<br/> 6 correct?<br/> 7 A. Yes.<br/> 8 Q. Some of your sacrocolpopexies<br/> 9 take more than three hours; correct?<br/> 10 A. The open sacrocolpopexies? They<br/> 11 may have. I don't recall them taking that<br/> 12 long.<br/> 13 Q. There's a risk of infection with<br/> 14 the robotic laparoscopic sacrocolpopexy as<br/> 15 well; correct?<br/> 16 A. It is a very, very small. In our<br/> 17 series we have never had one because the<br/> 18 mesh is taken out of the box and immediately<br/> 19 put through the ports, never has any contact<br/> 20 with the skin, has only sterile gloves on<br/> 21 it, and it's put inside the patient. So<br/> 22 unless there's any contamination from a<br/> 23 bowel injury, which we've never had, the<br/> 24 mesh never has contact with bacteria.<br/> 25 Q. Have you done any studies or</p> |
| <p style="text-align: right;">Page 299</p> <p>1 culturing of the mesh which shows that it<br/> 2 has no bacteria on it at the time when you<br/> 3 place it in your robotic laparoscopic<br/> 4 sacrocolpopexy?<br/> 5 A. No.<br/> 6 Q. The ports you make into the<br/> 7 lady's abdomen for the robotic laparoscopic<br/> 8 sacrocolpopexy, those ports exist from the<br/> 9 outside skin down into the peritoneal<br/> 10 cavity?<br/> 11 A. Correct.<br/> 12 Q. And how do you prep those ports?<br/> 13 A. That's with the standard Betadine<br/> 14 prep at the beginning of the case.<br/> 15 Q. And so is it fair to say you do<br/> 16 not know how much of the bacterial count is<br/> 17 reduced for your robotic laparoscopic<br/> 18 sacrocolpopexies two hours into the<br/> 19 procedure?<br/> 20 A. There's no way to prove a<br/> 21 hypothesis that it is still at a low level.<br/> 22 Q. What studies, if any, do you rely<br/> 23 upon that show a higher rate of systemic<br/> 24 infection with Prolift® as opposed to other<br/> 25 prolapse surgeries?</p>   | <p style="text-align: right;">Page 300</p> <p>1 A. Your question as asked, I am<br/> 2 unaware of any higher incidence of systemic<br/> 3 infections.<br/> 4 Q. Next question: What studies, if<br/> 5 any, do you rely upon which show a<br/> 6 statistically significantly higher rate of<br/> 7 infection for Prolift® versus other forms of<br/> 8 prolapse surgery?<br/> 9 A. I'll go to my Exhibit B. I have<br/> 10 a section on infection; however, briefly,<br/> 11 Number 53, de Tayrac, Letouzey --<br/> 12 Q. Let me just get to you. I'm<br/> 13 sorry.<br/> 14 A. De Tayrac, Letouzey, "Basic<br/> 15 Science and Clinical Aspects of Mesh<br/> 16 Infection in Pelvic Floor Reconstruction."<br/> 17 Q. Oh. Page 53.<br/> 18 A. Oh, I'm sorry. I'm sorry.<br/> 19 Q. I was looking at Reference 53.<br/> 20 A. Exhibit B, I believe. Yeah,<br/> 21 Exhibit B.<br/> 22 MR. ANDERSON: Reference 53, if<br/> 23 you look in the back.<br/> 24 THE WITNESS: Oh, I'm sorry.<br/> 25 MR. ANDERSON: Well, what do</p>                                    |



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| <p style="text-align: right;">Page 301</p> <p>1 you have? I say look at the back.<br/> 2 THE WITNESS: The Exhibit B,<br/> 3 the reference material.<br/> 4 MR. SNELL: Okay.<br/> 5 THE WITNESS: Number 53. I'm<br/> 6 sorry.<br/> 7 MR. SNELL: I don't know if I<br/> 8 have it. Maybe I do have it.<br/> 9 BY MR. SNELL:<br/> 10 Q. Is this the materials list that<br/> 11 was served in connection with your June<br/> 12 15th, 2012, report, Doctor?<br/> 13 A. Correct.<br/> 14 Q. I'm having trouble putting my<br/> 15 hands on it.<br/> 16 A. I can actually show you.<br/> 17 Q. I don't want you to show me<br/> 18 anything that Mr. Anderson secretly marked<br/> 19 on there.<br/> 20 A. No, there's nothing marked.<br/> 21 Number 53 -- let's go back to<br/> 22 what the question was.<br/> 23 Q. The question was --<br/> 24 MR. SNELL: Actually, Madam<br/> 25 Court Reporter, can you read it back to the</p>   | <p style="text-align: right;">Page 302</p> <p>1 doctor?<br/> 2 (The court reporter read back<br/> 3 the requested portion of the record.)<br/> 4 MR. SNELL: That was actually<br/> 5 not the question I wanted.<br/> 6 THE WITNESS: Start over.<br/> 7 MR. SNELL: Now that I hear it.<br/> 8 BY MR. SNELL:<br/> 9 Q. What clinical studies in humans<br/> 10 do you rely upon which show a statistically<br/> 11 significant higher rate of infection with<br/> 12 Prolift® versus other prolapse surgeries?<br/> 13 A. Well, I have to go with that<br/> 14 Number 53 there.<br/> 15 Q. Number 53?<br/> 16 A. De Tayrac, talking about<br/> 17 infections in the pelvic reconstructions.<br/> 18 And you'd have to then compare it to other<br/> 19 standard procedures out there.<br/> 20 We could use Withagen's as one,<br/> 21 that randomized, control, because infections<br/> 22 in the traditional repair are very uncommon<br/> 23 because you're not putting a foreign body<br/> 24 in. Any surgery with a foreign body is</p>   |
| <p style="text-align: right;">Page 303</p> <p>1 going to be increasing the risk, whether it<br/> 2 be in eye, hip, whatever. And so that de<br/> 3 Tayrac one is one that I think was a very<br/> 4 eloquently written paper on infection in the<br/> 5 meshes.<br/> 6 Q. That's not a clinical study;<br/> 7 correct?<br/> 8 A. Then Withagen.<br/> 9 Q. And it's your -- in Withagen was<br/> 10 there an increased rate of abscess with<br/> 11 Prolift® versus the traditional arm?<br/> 12 A. Let's -- well, let's get the<br/> 13 Withagen paper out and we'll go over it.<br/> 14 Q. I'll get that. We'll go over it<br/> 15 tomorrow. Is that fair? I don't have it on<br/> 16 me right here. I have it out in my car, but<br/> 17 I have to make a copy. So Withagen.<br/> 18 A. That's fine.<br/> 19 But you're limiting it to<br/> 20 abscess. Multiple depositions I've read,<br/> 21 they keep talking about abscess, abscess,<br/> 22 abscess. Those are pyogenic bacteria. Not<br/> 23 all bacteria are pyogenic. Candida albicans<br/> 24 is not a pyogenic infection. Pyogenic is<br/> 25 what forms pus.</p> | <p style="text-align: right;">Page 304</p> <p>1 The one patient I talk about<br/> 2 that had an infection after the mesh, okay,<br/> 3 she had a diffuse cellulitis. It was a<br/> 4 Strep. infection. So if I relied on abscess<br/> 5 and I said, oh, no abscess, you're not<br/> 6 infected, that's incorrect.<br/> 7 Q. So other than the Withagen paper,<br/> 8 you've mentioned a bacteria, you say Candida<br/> 9 albicans?<br/> 10 A. Candida albicans. It's a fungal<br/> 11 infection. A fungus. Excuse me. Yeah,<br/> 12 it's a fungus located in the vagina.<br/> 13 Q. Is it pathogenic such that it<br/> 14 causes complications?<br/> 15 A. No. It's a normal -- part of the<br/> 16 normal flora. And there are papers in my<br/> 17 supplement referring to the normal bio --<br/> 18 excuse me -- the normal flora of the vagina,<br/> 19 so that the vagina is -- has a large number<br/> 20 of multiple different types of bacteria that<br/> 21 are present within it.<br/> 22 Q. Some of which are pathogenic,<br/> 23 some of which are non-pathogenic; correct?<br/> 24 A. No.<br/> 25 Q. No?</p> |



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| <p style="text-align: right;">Page 305</p> <p>1 A. No. I mean, just because --</p> <p>2 there's bacteria on your skin. It's not</p> <p>3 pathogenic until you cut it and it gets in</p> <p>4 there. Okay. It's just there. It's a</p> <p>5 colonization is the best way to say it.</p> <p>6 There are billions, literally,</p> <p>7 in the colon. It's not a problem unless you</p> <p>8 perforate your colon. So it has to be --</p> <p>9 you have to look in that frame of reference.</p> <p>10 Specifically in the vagina,</p> <p>11 which the vagina is unique, is the presence</p> <p>12 of the Candida albicans and the other</p> <p>13 variants of the fungi.</p> <p>14 Q. So if the Candida albicans gets</p> <p>15 on a mesh during transvaginal placement,</p> <p>16 what's the result, if any, from an infection</p> <p>17 standpoint?</p> <p>18 A. That would be a great one for the</p> <p>19 Ethicon to have studied. And I saw nothing</p> <p>20 in their documentations, no deposition of</p> <p>21 anybody ever considering that.</p> <p>22 Everybody knows women can get</p> <p>23 yeast infections because why? Candida</p> <p>24 albicans. But I never saw anybody take the</p> <p>25 time to think, oh, no, what happens if this</p> | <p style="text-align: right;">Page 306</p> <p>1 gets attached to the mesh put inside the</p> <p>2 body. It can be devastating, potentially.</p> <p>3 Q. Have you ever done any studies on</p> <p>4 Candida albicans?</p> <p>5 A. No.</p> <p>6 Q. Besides the Withagen study, are</p> <p>7 you aware of any other studies upon which</p> <p>8 you rely that show, clinical studies, that</p> <p>9 show a statistically significant increased</p> <p>10 risk of infection with Prolift® versus some</p> <p>11 other prolapse surgery?</p> <p>12 A. Iglesia.</p> <p>13 Q. It's your opinion that there were</p> <p>14 more infections in Iglesia than -- in the</p> <p>15 Prolift® arm than the native repair arm?</p> <p>16 A. I have to look at the --</p> <p>17 infection of a mesh can manifest itself in</p> <p>18 multiple different ways, which one of the</p> <p>19 own TVM surgeons talk about that possibly</p> <p>20 infection can increase your risk for</p> <p>21 erosion. So in the Inglesia study that had</p> <p>22 a significant amount of erosions, which</p> <p>23 ultimately prompted them to stop the study.</p> <p>24 Correlating that with the TVM de Teyrac, you</p> <p>25 could theorize then that possibly that</p> |
| <p style="text-align: right;">Page 307</p> <p>1 infection led to their erosions, at least in</p> <p>2 part.</p> <p>3 Q. I don't really want theory. I</p> <p>4 want what you're going to testify to to a</p> <p>5 reasonable degree of medical certainty --</p> <p>6 A. I just --</p> <p>7 Q. -- at the time of trial.</p> <p>8 Are you going to say that the</p> <p>9 15 percent erosions in Iglesia, all of those</p> <p>10 patients had concomitant infection?</p> <p>11 A. That's not what I said.</p> <p>12 Q. Do you believe all 15 percent --</p> <p>13 do you believe all of the erosion cases in</p> <p>14 the Iglesia study had concomitant infection?</p> <p>15 A. That's not what I said.</p> <p>16 Q. I'm asking what you believe. I</p> <p>17 know that's not what you've said or that's</p> <p>18 not how we're interpreting each other. I'm</p> <p>19 asking you if you believe that.</p> <p>20 A. Well, I --</p> <p>21 Q. If you're going to come into</p> <p>22 court at trial and say, those people who had</p> <p>23 mesh exposures in the Prolift® arm in the</p> <p>24 Iglesia study all had infections.</p> <p>25 A. Here's what -- exactly what I</p>   | <p style="text-align: right;">Page 308</p> <p>1 will say --</p> <p>2 Q. Okay.</p> <p>3 A. -- with scientific data to back</p> <p>4 me up, that a TVM surgeon, highly</p> <p>5 experienced in Prolift® and Gynemesh®,</p> <p>6 states in a paper that erosion can possibly</p> <p>7 be caused by infection.</p> <p>8 I will then say that the vagina</p> <p>9 is a clean contaminated environment. It</p> <p>10 cannot -- physically impossible to be</p> <p>11 sterilized. So, therefore, every time there</p> <p>12 is an erosion -- excuse me -- extrusion or</p> <p>13 possibly erosion, contamination and</p> <p>14 infection can specifically be playing a</p> <p>15 significant role. That's what I'll say on</p> <p>16 the stand, which, according to Hinoul's,</p> <p>17 Hinoul --</p> <p>18 MR. ANDERSON: Hinoul.</p> <p>19 THE WITNESS: -- Hinoul's</p> <p>20 deposition, he stated he knew, Ethicon knew,</p> <p>21 every possible complication prior to launch;</p> <p>22 therefore, they knew this was a risk.</p> <p>23 BY MR. SNELL:</p> <p>24 Q. They knew that mesh exposure was</p> <p>25 a risk? Is that what you're going to come</p>  |

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| <p style="text-align: right;">Page 309</p> <p>1 in and say?</p> <p>2 A. Mesh exposure is a risk? Yes,</p> <p>3 they knew that.</p> <p>4 Q. They knew that infection was a</p> <p>5 potential risk. Is that what you're going</p> <p>6 to come in and say?</p> <p>7 A. Yes.</p> <p>8 Q. Who's this TVM surgeon you're</p> <p>9 referring to?</p> <p>10 A. De Tayrac. He's Number 53 there.</p> <p>11 Q. So you believe that de Tayrac was</p> <p>12 one of the TVM group.</p> <p>13 A. No. I believe I've seen his name</p> <p>14 in some of the French studies on Gynemesh®.</p> <p>15 I don't know -- I have not looked at, at</p> <p>16 least I can't recall, all of the specific</p> <p>17 TVM surgeons.</p> <p>18 Q. And because this surgeon said</p> <p>19 that erosion can possibly be caused by</p> <p>20 infection, you will extrapolate that</p> <p>21 statement by a single physician to your</p> <p>22 opinion that every time there is an erosion,</p> <p>23 contamination and infection can specifically</p> <p>24 be playing a significant role.</p> <p>25 MR. ANDERSON: Objection.</p>       | <p style="text-align: right;">Page 310</p> <p>1 Misstates prior testimony.</p> <p>2 BY MR. SNELL:</p> <p>3 Q. Is that correct?</p> <p>4 MR. ANDERSON: Objection.</p> <p>5 Misstates prior testimony.</p> <p>6 THE WITNESS: Well, no. We can</p> <p>7 go to Number 69 on there.</p> <p>8 MR. SNELL: Okay.</p> <p>9 THE WITNESS: Is that --</p> <p>10 BY MR. SNELL:</p> <p>11 Q. That's Falagas?</p> <p>12 A. Falagas.</p> <p>13 There's Number 121, which is</p> <p>14 M-A-M-Y. All of which are stating and</p> <p>15 theorizing the possibilities of infections</p> <p>16 and the consequences of infections, which</p> <p>17 erosions are.</p> <p>18 Q. So 69, Falagas, and what was the</p> <p>19 next one?</p> <p>20 A. 121, I believe, M-A-M-Y.</p> <p>21 And the other one would be</p> <p>22 general surgery in my supplemental report.</p> <p>23 Her name -- I think it's a her. C-H-O-I.</p> <p>24 That is general surgery looking at clean</p> <p>25 contaminated wounds in general surgery</p>   |
| <p style="text-align: right;">Page 311</p> <p>1 markedly increasing the risk of</p> <p>2 complications.</p> <p>3 So I'm -- I'm talking -- you</p> <p>4 asked me specifically, as I told you, a few.</p> <p>5 We could go point by point through my report</p> <p>6 for more.</p> <p>7 Q. I'm not sure if we're</p> <p>8 communicating.</p> <p>9 What I'm actually looking for</p> <p>10 is clinical data where there were higher</p> <p>11 rates of infection with the Prolift® versus</p> <p>12 some other prolapse procedure, not theory,</p> <p>13 not what some doctor said in France or what</p> <p>14 some surgeon said based upon bench research.</p> <p>15 I'm talking about clinical data from a</p> <p>16 study, retrospective, prospective,</p> <p>17 randomized, controlled trial. That's what</p> <p>18 I'm looking for.</p> <p>19 A. Okay.</p> <p>20 MR. ANDERSON: Objection.</p> <p>21 If that's how you're defining</p> <p>22 clinical data, that's the first time that</p> <p>23 you've done that. Before, you just said</p> <p>24 clinical data.</p> <p>25 MR. SNELL: I thought I said</p> | <p style="text-align: right;">Page 312</p> <p>1 clinical study data, clinical trial data.</p> <p>2 MR. ANDERSON: Well, you</p> <p>3 didn't. So that does change the question.</p> <p>4 Is that your question?</p> <p>5 MR. SNELL: Yes.</p> <p>6 MR. ANDERSON: How many --</p> <p>7 clinical trial data regarding this</p> <p>8 statistically significant increase in</p> <p>9 infection with Prolift® versus a</p> <p>10 non-surgical -- non-transvaginal mesh</p> <p>11 repair.</p> <p>12 MR. SNELL: Non-traditional.</p> <p>13 MR. ANDERSON: Okay. Okay.</p> <p>14 MR. SNELL: Let me say it. I</p> <p>15 mean, you were pretty good there.</p> <p>16 MR. ANDERSON: I'm just trying</p> <p>17 to make sure I understand it.</p> <p>18 MR. SNELL: No. You were</p> <p>19 pretty good there, actually.</p> <p>20 MR. ANDERSON: I think it's</p> <p>21 really good myself but, you know.</p> <p>22 BY MR. SNELL:</p> <p>23 Q. So are you aware of clinical</p> <p>24 trial data that shows a statistically</p> <p>25 significant increased risk with Prolift®</p> |

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| <p style="text-align: right;">Page 313</p> <p>1 versus some other type of prolapse repair<br/> 2 surgery that you relied upon, with the<br/> 3 caveat that when I say clinical trial data,<br/> 4 I mean data in humans from retrospective,<br/> 5 prospective, clinical studies and/or<br/> 6 randomized, controlled trials.<br/> 7 MR. ANDERSON: Objection.<br/> 8 Asked and answered to some extent of the<br/> 9 ones he's already mentioned.<br/> 10 Go ahead.<br/> 11 THE WITNESS: I am physically<br/> 12 incapable of thinking into a putting up all<br/> 13 these borders and definition of data.<br/> 14 If you exclude volumes of data,<br/> 15 say, oh, no, we're not talking about de<br/> 16 Tayrac, Letouzey, not Letouzey, the other<br/> 17 ones, just a specific clinical study that<br/> 18 looked only at infection, by that<br/> 19 definition, no, I cannot. But I think that<br/> 20 is academically, intellectually incompetent<br/> 21 and wrong. You have to look at the totality<br/> 22 of knowledge and not narrow it.<br/> 23 (Discussion off the record.)<br/> 24 BY MR. SNELL:<br/> 25 Q. Doctor, some of the articles you</p> | <p style="text-align: right;">Page 314</p> <p>1 cite to in your expert report and materials<br/> 2 list involve the abdominal sacrocolpopexy;<br/> 3 correct?<br/> 4 A. I'd have to look back. I don't<br/> 5 -- I don't -- I'm sure I would have included<br/> 6 it in there because I'm looking at all of it<br/> 7 but I don't recall off the top of my head.<br/> 8 Q. You would agree, Doctor, that in<br/> 9 clinical studies looking at<br/> 10 sacrocolpopexy -- and I'm talking about the<br/> 11 open abdominal sacrocolpopexy and<br/> 12 laparoscopic sacrocolpopexy. Are we<br/> 13 together?<br/> 14 A. Yes. Is that including robotics?<br/> 15 Q. I'm setting aside your robotics.<br/> 16 A. Laparoscopic. Okay.<br/> 17 Q. So you would agree that in<br/> 18 studies involving open abdominal and<br/> 19 laparoscopic sacrocolpopexy, as I've defined<br/> 20 it, some of those patients also have<br/> 21 hysterectomies at the time of the surgery;<br/> 22 correct?<br/> 23 A. That is correct.<br/> 24 Q. And you would agree that the<br/> 25 vagina would be exposed to these same</p> |
| <p style="text-align: right;">Page 315</p> <p>1 bacterium -- strike that.<br/> 2 You would agree that the<br/> 3 abdomen and the peritoneal cavity would be<br/> 4 exposed to these same bacteria from the<br/> 5 vagina if a hysterectomy is done at the time<br/> 6 of a sacrocolpopexy; correct?<br/> 7 A. Then you have the ability to wash<br/> 8 it out.<br/> 9 Q. Let's just answer my question<br/> 10 first and then we can get into washing.<br/> 11 A. Yes.<br/> 12 Q. When a hysterectomy is done at<br/> 13 the time of an abdominal sacrocolpopexy, the<br/> 14 bacteria from the vagina can get into the<br/> 15 peritoneal cavity; correct?<br/> 16 A. Yes.<br/> 17 Q. Any time there is a fresh<br/> 18 incision to the cuff where the uterus was at<br/> 19 the time of an abdominal sacrocolpopexy,<br/> 20 those vaginal organisms can get into the<br/> 21 abdominal cavity; correct?<br/> 22 A. Yes.<br/> 23 Q. If you are doing an abdominal<br/> 24 sacrocolpopexy and a suture is passed<br/> 25 through the full thickness of the vaginal</p>  | <p style="text-align: right;">Page 316</p> <p>1 wall, the abdominal cavity is, therefore,<br/> 2 exposed to these same vaginal bacteria;<br/> 3 correct?<br/> 4 A. No. The suture is exposed, the<br/> 5 part that's inside the vagina. I wouldn't<br/> 6 say the abdomen is exposed.<br/> 7 Q. Is it your belief that when the<br/> 8 suture is withdrawn or passed through, the<br/> 9 bacteria cannot get through that same space?<br/> 10 A. It could.<br/> 11 Q. How large are bacteria?<br/> 12 A. Tiny.<br/> 13 Q. One, two microns.<br/> 14 A. I don't know. They're tiny.<br/> 15 Q. They're smaller than the gauge of<br/> 16 the needle that you use when you suture;<br/> 17 correct?<br/> 18 A. I don't know. Well, I don't know<br/> 19 how big the gauge -- I understand they are<br/> 20 very, very small.<br/> 21 Q. Now, you mentioned you can wash<br/> 22 the abdomen out if you do a hysterectomy at<br/> 23 the time of a sacrocolpopexy; is that<br/> 24 correct?<br/> 25 A. Yeah. I don't do hysterectomies</p>  |

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| <p style="text-align: right;">Page 317</p> <p>1 so I'm going to be theorizing on what other<br/>2 people's works are. Remember, if a woman<br/>3 needs a hysterectomy, that goes to my<br/>4 gynecology colleagues.<br/>5 Q. Okay.<br/>6 A. But what I mean by washing it out<br/>7 is in my OR specifically there is standard<br/>8 practice of constantly washing out any<br/>9 wound. The solution to pollution is<br/>10 dilution. Okay. So we will use several<br/>11 liters of antibiotic solution multiple times<br/>12 throughout the case and at times actually<br/>13 use Betadine.<br/>14 Q. And what scientific literature or<br/>15 data are you aware of that shows that if you<br/>16 do that, what you just said, in a case where<br/>17 there's a concomitant hysterectomy done that<br/>18 the bacteria from the vagina would come --<br/>19 be rendered either impotent or are<br/>20 physically removed out of the entire<br/>21 abdomen?<br/>22 A. I rely on data outside the<br/>23 hysterectomy group for that, for that<br/>24 conclusion.<br/>25 Q. What data is this?</p> | <p style="text-align: right;">Page 318</p> <p>1 A. Penile prostheses infections by<br/>2 Dr. John Mulcahy at the University of<br/>3 Indiana.<br/>4 Infected penile prosthetics, a<br/>5 prosthetic, if it comes infected, there's a<br/>6 protocol for washing it out. You can<br/>7 actually wash out the bacteria under high<br/>8 pressure and put a penile prosthesis in and<br/>9 then the prosthesis has a high chance of<br/>10 survival. So that is in a worst-case<br/>11 scenario.<br/>12 Q. But this clean contaminated<br/>13 vagina area has different bacteria than this<br/>14 penile prosthesis procedure; correct?<br/>15 A. The only one that would probably<br/>16 be potentially different would be the<br/>17 Candida.<br/>18 Q. Do you know the difference in the<br/>19 amount of bacteria released from performing<br/>20 a hysterectomy when the uterus is cut out<br/>21 and removed as compared to the amount of<br/>22 bacterium released when there is this penile<br/>23 prosthesis?<br/>24 A. No.<br/>25 Q. So is it correct, Doctor, that</p> |
| <p style="text-align: right;">Page 319</p> <p>1 you are essentially extrapolating some data<br/>2 from penile prostheses into the<br/>3 sacrocolpopexy with concomitant hysterectomy<br/>4 situation?<br/>5 A. I'm extrapolating infection data.<br/>6 MR. SNELL: What time is it,<br/>7 gentlemen?<br/>8 MR. ANDERSON: 7:00.<br/>9 MR. SNELL: Let's shut down.<br/>10 (Whereupon the deposition<br/>11 adjourned at 6:56 p.m.)<br/>12 TESTIMONY ADJOURNED<br/>13<br/>14<br/>15<br/>16<br/>17<br/>18<br/>19<br/>20<br/>21<br/>22<br/>23<br/>24<br/>25</p>   | <p style="text-align: right;">Page 320</p> <p>1 CERTIFICATE<br/>2<br/>3<br/>4 I HEREBY CERTIFY that the witness was<br/>5 duly sworn by me and that the deposition is a true<br/>6 record of the testimony given by the witness.<br/>7<br/>8 It was not requested before<br/>9 completion of the deposition that the witness,<br/>10 DANIEL STEVEN ELLIOTT, M.D., have the opportunity<br/>11 to read and sign the deposition transcript.<br/>12<br/>13<br/>14<br/>15<br/>16<br/>17<br/>18<br/>19<br/>20<br/>21<br/>22<br/>23<br/>24<br/>25</p> <p>ROSEMARY LOCKLEAR<br/>REGISTERED PROFESSIONAL REPORTER<br/>CERTIFIED COURT REPORTER (NJ)<br/>30XI00171000<br/>CERTIFIED REALTIME REPORTER<br/>NOTARY PUBLIC<br/>Dated: 12/10/12</p> <p>(The foregoing certification of<br/>this transcript does not apply to any<br/>reproduction of the same by any means,<br/>unless under the direct control and/or<br/>supervision of the certifying reporter.)</p>   |

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